

*Diary*

1918.



William Brewster,

145 Brattle Street,

Cambridge,

Massachusetts

---

"

Should this diary be  
lost or mislaid anyone  
finding and returning  
it to the above address  
would receive a suitable  
reward for such trouble

---

"



THE  
STANDARD

DIARY



FOR SALE BY ALL STATIONERS

PUBLISHED BY  
THE STANDARD DIARY CO



**FOR IDENTIFICATION.**

My Name .....

My Residence.....

*My Business Address* .....

My Home Telephone.....

My Office Telephone .....

*My Home Fire Alarm Box* .....

My Office Fire Alarm Box .....

*In case of accident or serious illness please notify .....*

The make of my Automobile.....

*Its Number*.....

Number on case of my Watch .....

Number of the works.....

Number of my Bank Book .....

My Weight was ..... On .....

Height.....feet.....inches.....

Size of Hat ..... Gloves .....

<sup>11</sup> *Hosiery* ..... *Collar* .....

"Cuffs ..... Shoes .....

" Shirt ..... Drawers .....

# CALENDAR

1918

[illegible]



# CALENDAR

## 1919

	JAN.								JULY						
	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	5	6	7	8	9	10	11		6	7	8	9	10	11	12
	12	13	14	15	16	17	18		13	14	15	16	17	18	19
	19	20	21	22	23	24	25		20	21	22	23	24	25	26
	26	27	28	29	30	31	..		27	28	29	30	31	..	..
	..	..	..	..	..	..	1		..	..	..	..	..	1	2
	2	3	4	5	6	7	8		3	4	5	6	7	8	9
	9	10	11	12	13	14	15		10	11	12	13	14	15	16
	16	17	18	19	20	21	22		17	18	19	20	21	22	23
	23	24	25	26	27	28	..		24	25	26	27	28	29	30
	..	..	..	..	..	..	1		31	..	..	..	..	..	..
	2	3	4	5	6	7	8		..	1	2	3	4	5	6
	9	10	11	12	13	14	15		7	8	9	10	11	12	13
	16	17	18	19	20	21	22		14	15	16	17	18	19	20
	23	24	25	26	27	28	29		21	22	23	24	25	26	27
	30	31	..	..	..	..	..		28	29	30	..	..	..	..
	..	..	1	2	3	4	5		..	..	..	1	2	3	4
	6	7	8	9	10	11	12		5	6	7	8	9	10	11
	13	14	15	16	17	18	19		12	13	14	15	16	17	18
	20	21	22	23	24	25	26		19	20	21	22	23	24	25
	27	28	29	30	..	..	..		26	27	28	29	30	31	..
	..	..	..	..	1	2	3		..	..	..	..	..	..	1
	4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	..	..	..	..	..	..
	1	2	3	4	5	6	7		..	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30	..	..	..	..	..		28	29	30	31	..	..	..

## RATES OF POSTAGE.

Official at time of printing. As changes are expected inquire at P. O.

United States and Possessions, Canada, Mexico,  
Cuba, and Shanghai, China.

First Class (letters, etc.)	per ounce	2c
Second " (newspapers, periodicals)	4 "	1c
Third " (all circulars and miscellaneous printed matter.		
Miscellaneous printed matter over 4 lbs. sub-		
ject to 4th class rates)	2 "	1c
Fourth " (merchandise, books, etc.) see Parcel Post		
Registration Fee (extra postage)		10c
Special Delivery ( " " )		10c
Postal Cards (reply cards 2c)		1c
Local or Drop Letters (where no free delivery)	"	1c
Postal Savings Bank (inquire at P. O.)		

MONEY ORDERS.—For sums not exceeding \$2.50, 3 cents; over \$2.50 to \$5, 5 cents; over \$5 to \$10, 8 cents; over \$10 to \$20, 10 cents; over \$20 to \$30, 12 cents; over \$30 to \$40, 15 cents; over \$40 to \$50, 18 cents; over \$50 to \$60, 20 cents; over \$60 to \$75, 25 cents; over \$75 to \$100, 30 cents.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

### PARCEL POST, for United States and Possessions.

(Inquire at Post Office.)

Owing to frequent changes in rates, weights, etc., we deem it impracticable to attempt to give accurate information.

### Postage to Foreign Countries.

Letters for Canada, Cuba, Mexico, British Isles, Newfoundland, Republic of Panama; U. S. Postal Agency at Shanghai, China; Leeward Islands; Bahamas; British Honduras; Dutch West Indies. Dutch St. Martins; Barbadoes, Dutch Guiana and New Zealand	per ounce	2c
" for Germany (if sent by German steamer 2c per oz.)	"	5c
" for other countries	"	5c
	each additional ounce or fraction	3c
Postal cards (reply cards, 4c)		2c
Newspapers and printed matter	2 ounces	1c
Samples merchandise	first 4 "	2c
	every additional 2 "	1c
Commercial papers	first 10 ounces or fraction	5c
	every additional 2 ounces	1c
Registration Fee (extra postage)		10c
Reply Coupons (to prepay return letter) inquire at P. O.		
Parcels Post (inquire at P. O.)	per lb.	12c
Money Orders (inquire at P. O.)		



## POPULATION OF THE UNITED STATES.

\*Estimated Population July 1, 1916, based upon Federal Censuses.

	*1916	1910
Alabama.....	2,332,608	2,138,093
Arizona.....	255,544	204,354
Arkansas.....	1,739,723	1,574,449
California.....	2,938,654	2,377,549
Colorado.....	962,060	799,024
Connecticut.....	1,244,479	1,114,756
Delaware.....	213,380	202,322
District of Columbia.....	363,980	331,069
Florida.....	893,493	752,619
Georgia.....	2,856,065	2,609,121
Idaho.....	428,586	325,594
Illinois.....	6,152,257	5,638,591
Indiana.....	2,816,817	2,700,876
Iowa.....	2,220,321	2,224,771
Kansas.....	1,829,545	1,690,949
Kentucky.....	2,379,639	2,289,905
Louisiana.....	1,829,130	1,656,388
Maine.....	772,489	742,371
Maryland.....	1,362,807	1,294,450
Massachusetts.....	3,719,156	3,366,416
Michigan.....	3,054,854	2,810,173
Minnesota.....	2,279,603	2,075,708
Mississippi.....	1,951,674	1,797,114
Missouri.....	3,410,692	3,293,335
Montana.....	459,494	376,053
Nebraska.....	1,271,375	1,192,214
Nevada.....	106,734	81,875
New Hampshire.....	442,506	430,572
New Jersey.....	2,948,017	2,537,167
New Mexico.....	410,283	327,396
New York.....	10,273,375	9,113,614
North Carolina.....	2,402,738	2,206,287
North Dakota.....	739,201	577,056
Ohio.....	5,150,356	4,767,121
Oklahoma.....	2,202,081	1,657,155
Oregon.....	835,741	672,765
Pennsylvania.....	8,522,017	7,665,111
Rhode Island.....	614,315	542,674
South Carolina.....	1,625,475	1,515,400
South Dakota.....	698,509	583,888
Tennessee.....	2,288,004	2,184,789
Texas.....	4,429,566	3,896,542
Utah.....	434,083	373,351
Vermont.....	363,699	355,956
Virginia.....	2,192,019	2,061,612
Washington.....	1,534,221	1,141,990
West Virginia.....	1,386,038	1,221,119
Wisconsin.....	2,500,350	2,333,860
Wyoming.....	179,559	145,965
Alaska.....	64,834	64,356
Hawaii.....	215,714	191,909
Panama Canal Zone.....	31,048	61,279
Philippine Islands.....	8,834,187	8,265,348
Porto Rico.....	1,216,083	1,118,012
Military and Naval stationed abroad...	45,123	55,608
Total.....	112,444,620	101,748,269

## POPULATION OF PRINCIPAL CITIES.

\*Estimated Population July 1, 1916, based upon Federal Censuses.

	*1916	1910
Akron, O.....	85,625	69,067
Albany, N. Y.....	104,199	100,253
Allentown, Pa.....	63,505	51,913
Altoona, Pa.....	58,659	52,127
Atlanta, Ga.....	190,558	154,839
Atlantic City, N. J.....	57,660	46,150
Augusta, Ga.....	50,245	41,040
Baltimore, Md.....	589,621	558,485
Bay City, Mich.....	47,942	45,166
Bayonne, N. J.....	69,893	55,545
Binghamton, N. Y.....	53,973	48,443
Birmingham, Ala.....	181,762	132,685
Boston, Mass.....	756,476	670,585
Bridgeport, Conn.....	121,579	102,054
Brockton, Mass.....	67,449	56,878
Brooklyn, N. Y.....	1,928,734	1,634,351
Buffalo, N. Y.....	468,558	423,715
Butte, Mont.....	43,425	39,165
Cambridge, Mass.....	112,981	104,839
Camden, N. J.....	106,233	94,538
Canton, O.....	60,852	50,217
Cedar Rapids, Ia.....	37,308	32,811
Charleston, S. C.....	60,734	58,833
Charlotte, N. C.....	39,823	34,014
Chattanooga, Tenn.....	60,075	44,604
Chelsea, Mass.....	46,192	32,452
Chester, Pa.....	41,396	38,537
Chicago, Ill.....	2,497,722	2,185,283
Cincinnati, O.....	410,476	364,463
Cleveland, O.....	674,073	560,663
Columbus, O.....	214,878	181,548
Covington, Ky.....	57,144	53,270
Dallas, Tex.....	124,527	92,104
Davenport, Ia.....	48,811	43,028
Dayton, O.....	127,224	116,577
Decatur, Ill.....	39,631	31,140
Denver, Col.....	260,800	213,381
Des Moines, Ia.....	101,598	86,368
Detroit, Mich.....	571,784	465,766
Dubuque, Ia.....	39,873	38,494
Duluth, Minn.....	94,495	78,466
East St. Louis, Ill.....	74,708	58,547
Elizabeth, N. J.....	86,690	73,409
Elmira, N. Y.....	38,120	37,176
Erie, Pa.....	75,195	66,525
Evansville, Ind.....	76,078	69,647
Everett, Mass.....	39,233	33,484
Fall River, Mass.....	128,366	119,295
Fitchburg, Mass.....	41,781	37,826
Fort Wayne, Ind.....	76,183	63,933
Fort Worth, Tex.....	104,562	73,312
Galveston, Tex.....	41,863	36,981
Grand Rapids, Mich.....	128,291	112,571
Hamilton, O.....	40,496	35,279
Harrisburg, Pa.....	72,015	64,186
Hartford, Conn.....	110,900	98,915



## POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	*1916	1910
Haverhill, Mass. ....	48,477	44,115
Hoboken, N. J. ....	77,214	70,324
Holyoke, Mass. ....	65,286	57,730
Houston, Tex. ....	112,307	78,800
Huntington, W. Va. ....	45,629	31,161
Indianapolis, Ind. ....	271,708	233,650
Jacksonville, Fla. ....	76,101	57,699
Jersey City, N. J. ....	306,345	267,779
Johnstown, Pa. ....	68,529	55,482
Joliet, Ill. ....	38,010	34,670
Kalamazoo, Mich. ....	48,886	39,437
Kansas City, Kan. ....	99,437	82,331
Kansas City, Mo. ....	297,847	248,381
Knoxville, Tenn. ....	38,676	36,346
Lancaster, Pa. ....	50,853	47,227
Lawrence, Mass. ....	100,560	85,892
Lexington, Ky. ....	41,097	35,099
Lincoln, Neb. ....	46,515	43,973
Little Rock, Ark. ....	57,343	45,941
Lorain, O. ....	36,964	28,833
Los Angeles, Cal. ....	503,812	319,198
Louisville, Ky. ....	238,910	223,928
Lowell, Mass. ....	113,245	106,294
Lynn, Mass. ....	102,425	89,336
Macon, Ga. ....	45,757	40,665
Malden, Mass. ....	51,155	44,404
Manchester, N. H. ....	78,283	70,063
McKeesport, Pa. ....	47,521	42,694
Memphis, Tenn. ....	148,995	131,105
Milwaukee, Wis. ....	436,535	373,857
Minneapolis, Minn. ....	363,454	301,408
Mobile, Ala. ....	58,221	51,521
Montgomery, Ala. ....	43,285	38,136
Mount Vernon, N. Y. ....	37,009	30,919
Muskogee, Okla. ....	44,218	25,278
Nashville, Tenn. ....	117,057	110,364
Newark, N. J. ....	408,894	347,469
New Bedford, Mass. ....	118,158	96,652
New Britain, Conn. ....	53,794	43,916
Newcastle, Pa. ....	41,133	36,280
New Haven, Conn. ....	149,685	133,605
New Orleans, La. ....	371,747	339,075
Newton, Mass. ....	43,715	39,806
New York, N. Y. ....	5,602,841	4,766,883
Niagara Falls, N. Y. ....	37,353	30,445
Norfolk, Va. ....	89,612	67,452
Oakland, Cal. ....	198,604	150,174
Oklahoma City, Okla. ....	92,943	64,205
Omaha, Neb. ....	165,470	124,096
Pasadena, Cal. ....	46,450	30,291
Passaic, N. J. ....	71,744	54,773
Paterson, N. J. ....	138,443	125,600
Pawtucket, R. I. ....	59,411	51,622
Peoria, Ill. ....	71,458	66,950
Perth Amboy, N. J. ....	41,185	32,121
Philadelphia, Pa. ....	1,709,518	1,549,008
Pittsburg and Allegheny, Pa. ....	579,090	533,905

## POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	*1916	1910
Pittsfield, Mass. ....	38,629	32,121
Portland, Me. ....	63,867	58,571
Portland, Ore. ....	295,463	207,214
Portsmouth, Va. ....	39,651	33,190
Providence, R. I. ....	254,960	224,326
Pueblo, Col. ....	54,462	44,395
Quincy, Mass. ....	38,136	32,642
Racine, Wis. ....	46,486	38,002
Reading, Pa. ....	109,381	96,071
Richmond, Va. ....	156,687	127,628
Roanoke, Va. ....	43,284	34,874
Rochester, N. Y. ....	256,417	218,149
Rockford, Ill. ....	55,185	45,401
Sacramento, Cal. ....	66,895	44,696
Saginaw, Mich. ....	55,642	50,510
Saint Joseph, Mo. ....	85,236	77,403
Saint Louis, Mo. ....	757,309	687,029
Saint Paul, Minn. ....	247,232	214,744
Salem, Mass. ....	48,562	43,697
Salt Lake City, Utah. ....	117,399	92,777
San Antonio, Tex. ....	123,831	96,614
San Diego, Cal. ....	53,330	39,578
San Francisco, Cal. ....	463,516	416,912
San Jose, Cal. ....	38,902	28,946
Savannah, Ga. ....	68,805	65,064
Schenectady, N. Y. ....	99,519	72,826
Scranton, Pa. ....	146,811	129,867
Seattle, Wash. ....	348,639	237,194
Sioux City, Ia. ....	57,078	47,828
Somerville, Mass. ....	87,039	77,236
South Bend, Ind. ....	68,946	53,684
Spokane, Wash. ....	150,323	104,402
Springfield, Ill. ....	61,120	51,678
Springfield, Mass. ....	105,942	88,926
Springfield, O. ....	51,550	46,921
Superior, Wis. ....	46,226	40,384
Syracuse, N. Y. ....	155,624	137,249
Tacoma, Wash. ....	112,770	83,743
Tampa, Fla. ....	53,886	37,782
Terre Haute, Ind. ....	66,083	58,157
Toledo, O. ....	191,554	168,497
Topeka, Kan. ....	48,726	43,684
Trenton, N. J. ....	111,593	96,815
Troy, N. Y. ....	77,916	76,813
Utica, N. Y. ....	85,692	74,419
Washington, D. C. ....	363,980	331,069
Waterbury, Conn. ....	86,973	73,141
West Hoboken, N. J. ....	43,139	35,403
Wheeling, W. Va. ....	43,377	41,641
Wichita, Kan. ....	70,722	52,450
Wilkesbarre, Pa. ....	76,776	67,105
Wilmington, Del. ....	94,265	87,411
Woonsocket, R. I. ....	44,360	38,125
Worcester, Mass. ....	163,314	145,986
Yonkers, N. Y. ....	99,838	79,803
York, Pa. ....	51,656	44,750
Youngstown, O. ....	108,385	79,066



## THE LARGEST CITIES IN THE WORLD.

Cities in United States—From *Estimate* July 1, 1916, U. S. Govt.  
Foreign Cities—Statesmen's Year Book and World Almanac, 1916.

New York .....	5,602,841	Los Angeles .....	503,812
London .....	4,522,964	Hyderabad .....	500,623
Paris .....	2,888,110	Lisbon .....	500,000
Chicago .....	2,497,722	Prague .....	500,000
Berlin .....	2,071,257	Santiago, Chili.....	500,000
Tokio, Japan .....	2,033,321	Rotterdam .....	472,520
Vienna .....	2,031,498	Mexico City.....	470,659
Petrograd.....	2,019,000	Montreal .....	470,480
Philadelphia .....	1,709,518	Buffalo .....	468,558
Buenos Ayres .....	1,700,000	San Francisco.....	463,516
Moscow .....	1,618,000	Sheffield .....	454,632
Osaka, Japan .....	1,387,366	Nagoya, Japan.....	447,951
Constantinople.....	1,300,000	Leeds .....	445,550
Warsaw .....	1,250,000	Kobe, Japan.....	440,766
Calcutta .....	1,222,313	Milwaukee.....	436,535
Rio Janeiro.....	1,100,000	Turin .....	427,106
Bombay .....	982,000	Hong Kong.....	417,400
Hamburg .....	953,079	Lodz, Poland .....	415,650
Buda-Pesth .....	900,000	Frankfort-on-Main .....	414,576
Canton .....	900,000	Cincinnati .....	410,476
Barcelona.....	850,230	Newark, N.J.....	408,894
Sydney.....	800,000	Dublin .....	403,030
Tientsin .....	800,000	Sao Paulo, Brazil .....	400,000
Glasgow .....	784,496	Yokohama.....	396,101
St. Louis .....	757,309	Belfast .....	386,947
Boston .....	756,476	Stockholm.....	382,085
Liverpool.....	746,421	New Orleans.....	371,747
Naples .....	723,000	Riga.....	370,000
Manchester, Eng.....	714,333	Montevideo .....	368,648
Peking .....	693,000	Washington.....	363,980
Cleveland.....	674,073	Minneapolis .....	363,454
Brussels .....	663,600	Dusseldorf.....	358,728
Cairo, Egypt.....	654,476	Bristol, Eng.....	357,048
Shanghai .....	651,000	Havana.....	350,000
Bangkok.....	628,675	Palermo .....	341,088
Odessa .....	620,200	Bucharest.....	338,109
Madrid .....	620,000	Nuremberg .....	333,142
Amsterdam .....	609,084	Alexandria.....	332,246
Melbourne.....	600,160	Edinburgh.....	320,318
Milan .....	599,200	Antwerp .....	312,884
Munich.....	596,467	The Hague .....	312,430
Leipzig .....	589,850	Jersey City .....	306,345
Baltimore.....	589,621	Charlottenburg, Prussia.....	305,978
Pittsburgh .....	579,090	Hanover, Germany.....	302,375
Detroit .....	571,784	Essen, Germany.....	294,653
Copenhagen .....	559,398	West Ham, Eng.....	289,030
Marseilles .....	550,619	Bradford.....	288,458
Dresden .....	550,565	Chemnitz .....	287,807
Rome .....	542,123	Stuttgart.....	286,218
Birmingham, Eng.....	525,833	Teheran .....	280,000
Lyons .....	523,796	Hull .....	277,991
Madras .....	520,000	Genoa .....	272,221
Cologne .....	517,000	Newcastle .....	266,603
Breslau.....	512,105	Nottingham.....	259,904
Kioto, Japan.....	508,068	Lucknow .....	259,798
Kiev, Russia.....	505,060		

## PRESIDENTS OF THE UNITED STATES.

No.	NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
1	GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2	JOHN ADAMS.....	Oct. 31, 1735	Mar. 4, 1797	" " " " " "	July 4, 1826	Mass.	Mass.	Republican.
3	THOMAS JEFFERSON...	April 2, 1743	" " " " " "	" " " " " "	June 28, 1826	Virginia.	Virginia.	"
4	JAMES MADISON.....	Mar. 16, 1751	" " " " " "	" " " " " "	July 4, 1836	"	"	"
5	JAMES MONROE.....	April 28, 1758	" " " " " "	" " " " " "	July 4, 1831	Mass.	Mass.	Coalition.
6	JOHN QUINCY ADAMS.	July 11, 1767	" " " " " "	" " " " " "	Feb. 23, 1848	Tennessee.	Tennessee.	Democrat.
7	ANDREW JACKSON ....	Mar. 15, 1767	" " " " " "	" " " " " "	June 8, 1845	New York.	New York.	"
8	MARTIN VAN BUREN.	Dec. 5, 1782	" " " " " "	" " " " " "	July 24, 1862	Ohio.	Ohio.	Whig.
9	WM. H. HARRISON ...	Feb. 9, 1773	April 6, 1841	1 month.....	April 4, 1841	Virginia.	Virginia.	Democrat.
10	JOHN TYLER.....	Mar. 29, 1790	Mar. 4, 1845	3 yrs. 11 mos.	Jan. 18, 1862	N. Carolina.	Tennessee.	Democrat.
11	JAMES K. POLK .....	Nov. 2, 1795	Mar. 4, 1845	4 years.....	June 15, 1849	Virginia.	Louisiana.	Whig.
12	ZACHARY TAYLOR.....	Sept. 24, 1784	" " " " " "	1 year 4 mos.	July 9, 1850	New York.	New York.	"
13	MILLARD FILLMORE ..	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 7, 1874	N. Hamp.	N. Hamp.	Democrat.
14	FRANKLIN PIERCE.....	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 8, 1869	Penn.	Penn.	Republican.
15	JAMES BUCHANAN.....	April 23, 1791	" " " " " "	" " " " " "	June 1, 1868	Kentucky.	Illinois.	"
16	ABRAHAM LINCOLN....	Feb. 12, 1809	Mar. 4, 1861	4 yrs. 40 days.	April 15, 1865	N. Carolina.	Tennessee.	"
17	ANDREW JOHNSON.....	Dec. 29, 1808	April 15, 1865	3 yrs. 10½ mos.	July 31, 1875	Ohio.	Illinois.	"
18	ULYSSES S. GRANT...	April 27, 1822	Mar. 4, 1869	8 years.....	July 23, 1885	"	Ohio.	"
19	RUTHERF'D B. HAYES	Oct. 4, 1822	" " " " " "	" " " " " "	Jan. 17, 1893	"	"	"
20	JAMES A. GARFIELD..	Nov. 19, 1831	" " " " " "	6½ months....	Sept. 19, 1881	Vermont.	New York.	Democrat.
21	CHESTER A. ARTHUR.	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5½ mos.	Nov. 18, 1886	New Jersey.	"	Republican.
22	GROVER CLEVELAND..	Mar. 18, 1837	Mar. 4, 1885	4 years.....	June 24, 1908	Ohio.	Indiana.	Democrat.
23	BENJAMIN HARRISON.	Aug. 20, 1833	" " " " " "	" " " " " "	Mar. 13, 1901	New Jersey.	New York.	Republican.
24	GROVER CLEVELAND..	Mar. 18, 1837	" " " " " "	" " " " " "	June 24, 1908	Ohio.	Ohio.	Republican.
25	WILLIAM MCKINLEY.	Jan. 29, 1843	" " " " " "	4 yrs. 6½ mos.	Sept. 14, 1901	New York.	New York.	Republican.
26	THEODORE ROOSEVELT	Oct. 27, 1858	Sept. 14, 1901	7 yrs. 5½ mos.	" " " " " "	Ohio.	Ohio.	Republican.
27	WM. HOWARD TAFT.	Sept. 15, 1857	Mar. 4, 1909	4 yrs.....	" " " " " "	"	New Jersey.	Democrat.
28	WOODROW WILSON...	Dec. 28, 1856	" " " " " "	" " " " " "	" " " " " "	Virginia.	"	"



# INTEREST TABLE.

## FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	I	II
3 "	0	0	0	0	0	0	0	0	0	1	3½	33
5 "	0	0	0	0	0	0	0	½	½	½	5½	56
10 "	0	0	0	½	½	½	I	I	I	I	II	I II
1 Mo.	0	½	I	1½	1½	2	2½	2½	3	3½	33	3 33
2 "	½	1½	2	2½	3½	4	4½	5½	6	6½	67	6 67
3 "	I	2	3	4	5	6	7	8	9	10	I 00	10 00
4 "	1½	2½	4	5½	6½	8	9½	10½	12	13½	I 33	I3 33
6 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
9 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
1 Yr.	4	8	12	16	20	24	28	32	36	40	4 00	40 00

## FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	I	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	I	I	I	7	69
10 "	0	0	0	0	I	I	I	I	I	1½	14	I 39
1 Mo.	½	I	I	2	2	3	3	3	4	4	42	4 17
2 "	I	1½	3	3	4	5	6	7	8	8	83	8 33
3 "	I	2½	4	5	6	8	9	10	11	13	I 25	12 50
4 "	1½	3	5	7	8	10	12	13	15	17	I 67	16 67
6 "	2½	5	8	10	13	15	18	20	23	25	2 50	25 00
9 "	3½	7½	11	15	19	23	26	30	34	38	3 75	37 50
1 Yr.	5	10	15	20	25	30	35	40	45	50	5 00	50 00

## SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	I	5	50
5 "	0	0	0	0	0	I	I	I	I	I	8	83
10 "	0	0	I	I	I	I	I	I	2	2	17	I 67
1 Mo.	½	I	2	2	3	3	4	4	5	5	50	5 00
2 "	I	2	3	4	5	6	7	8	9	10	I 00	10 00
3 "	1½	3	5	6	8	9	11	12	14	15	I 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
9 "	4½	9	14	18	23	27	32	36	41	45	4 50	45 00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

# INTEREST LAWS OF ALL THE STATES, AND DAYS OF GRACE.

STATES AND TERRITORIES.	DAYS OF GRACE.		RATES OF INTEREST.		STATUTES OF LIMITATIONS.		
	Notes.	Sight Drafts	Legal.	SPECIAL OR CONTRACT	Judgments. Years.	Notes. Years.	Open Accts. Years.
Alabama . . . . .	No	No	8	8 per ct.	20	6*	3
Alaska . . . . .	No	No	8	12 per ct.	10	6	6
Arizona . . . . .	No	No	6	10 per ct.	4	4	3
Arkansas . . . . .	No	No	6	10 per ct.	10	5	3
California . . . . .	No	No	7	No limit.	5	4	4
Colorado . . . . .	No	No	8	No limit.	20	6	6
Connecticut . . . . .	No	No	6	12 per ct.	(a)	(b)	6
Delaware . . . . .	No	No	6	6 per ct.	10	6†	3
Dist. of Columbia	No	No	6	10 per ct.	12	3	3
Florida . . . . .	No	No	8	10 per ct.	20	5	3
Georgia . . . . .	No	No	7	8 per ct.	7	6†	4
Hawaiian Isl'nds	No	No	8	12 per ct.	20	6	6
Idaho . . . . .	No	No	7	12 per ct.	6	5	4
Illinois . . . . .	No	No	5	7 per ct.	7	10	5
Indiana . . . . .	No	No	6	8 per ct.	20	10	6
Iowa . . . . .	No	No	6	8 per ct.	18†	10	5
Kansas . . . . .	No	No	6	10 per ct.	5	5	3
Kentucky . . . . .	No	No	6	6 per ct.	15	15	2
Louisiana . . . . .	No	No	5	8 per ct.	10	5	3
Maine . . . . .	No	Yes	6	No limit.	20	6-20	6
Maryland . . . . .	No	No	6	6 per ct.	12	3	3
Massachusetts . . . . .	No	Yes	6	No limit.	20	6	6
Michigan . . . . .	No	No	5	7 per ct.	10	6	6
Minnesota . . . . .	No	No	6	10 per ct.	10	6	6
Mississippi . . . . .	Yes	Yes	6	8 per ct.	7	6	3
Missouri . . . . .	No	No	6	8 per ct.	10	10	5
Montana . . . . .	No	No	8	12 per ct.	10	8	5
Nebraska . . . . .	No	No	7	10 per ct.	5	5	4
Nevada . . . . .	No	No	7	12 per ct.	6	6	4
New Hampshire	No	Yes	6	6 per ct.	20	6	6
New Jersey . . . . .	No	No	6	6 per ct.	20	6	6
New Mexico . . . . .	No	No	6	12 per ct.	7	6	4
New York . . . . .	No	No	6	16 per ct.	20	6	6
North Carolina . . . . .	No	No	6	6 per ct.	10	3*	3
North Dakota . . . . .	No	No	6	10 per ct.	10	6	6
Ohio . . . . .	No	No	6	8 per ct.	5	15	6
Oklahoma . . . . .	No	No	6	10 per ct.	1-5	5	3
Oregon . . . . .	No	No	6	10 per ct.	10	6	6
Pennsylvania . . . . .	No	No	6	6 per ct.	5	6†	6
Philippine Isl'nds	No	No	6	No limit.	....	....	....
Porto Rico . . . . .	No	No	6	12 per ct.	5	3	3
Rhode Island . . . . .	No	Yes	6	No limit.	20	6	6
South Carolina . . . . .	No	No	7	8 per ct.	10	6	6
South Dakota . . . . .	No	No	7	12 per ct.	20	6	6
Tennessee . . . . .	No	No	6	6 per ct.	10	6	6
Texas . . . . .	Yes	Yes	6	10 per ct.	10	4	2
Utah . . . . .	No	No	8	12 per ct.	8	6	4
Vermont . . . . .	No	No	6	6 per ct.	6	6	6
Virginia . . . . .	No	No	6	6 per ct.	20	5	5
Washington . . . . .	No	No	6	12 per ct.	6	6	3
West Virginia . . . . .	No	No	6	6 per ct.	10	10	5
Wisconsin . . . . .	No	No	6	10 per ct.	6-20	6	6
Wyoming . . . . .	No	No	8	12 per ct.	5	10	8

|| Any rate of interest on call loans of \$5,000 or upward, on collateral security.  
 (a) No limit. (b) Negotiable notes, 6 years. \* Under seal, 10 years.  
 † Under seal, 20 years. ‡ In Courts of Record, 35 years.  
 ¶ Over 6 per cent. cannot be collected by law.



## WEIGHTS AND MEASURES.

### MEASURE OF LENGTH.

4	In. = 1 Hand.	3	Feet = 1 Yard.
7.92	In. = 1 Link.	5½	Yds. = 1 Rod or Pole
18	In. = 1 Cubit.	40	Poles = 1 Furlong
12	In. = 1 Foot.	8	Fur. = 1 Mile.
6	Ft. = 1 Fathom.	69 1-6	Miles = 1 Degree.

60 Geographical Miles = 1 Degree.

1760 Yards } = 1 Mile.  
5280 Feet }

### MEASURE OF SURFACE.

144	Square Inches = 1 Square Foot.
9	Square Feet = 1 Square Yard.
30½	Square Yards = 1 Sq. Rod, Perch or Pole
40	Square Rods = 1 Square Rood.
4	Square Roods = 1 Acre.
	Gunter's Chain = 22 Yards or 100 Links.
10	Square Chains = 1 Acre.
640	Acres = 1 Square Mile.
272½	Square Feet = 1 Square Rod.
43,560	Square Feet = 1 Acre.

### MEASURE OF SOLIDITY.

1728	Cubic Inches = 1 Cubic Foot.
27	Cubic Feet = 1 Cubic Yard.

### AVOIRDUPOIS WEIGHT.

27½	Grains = 1 Drachm (dr.) or 27½ Grains
16	Drachms = 1 Ounce (oz.) or 437½ "
16	Ounces = 1 Pound (lb.) or 7000 "
28	Pounds = 1 Quarter (qr.).
4	Quarters = 1 Hundred-Weight (cwt)
20	Cwts. = 1 Ton.
2240	Pounds = 1 Ton.

### TROY WEIGHT.

24	Grains = 1 Pennyweight, or 24 Grains.
20	Pennywts = 1 Ounce, or 480 "
12	Ounces = 1 Pound, or 5760 "

### APOTHECARIES' WEIGHT.

20	Grains = 1 Scruple.	8	Drachms = 1 Ounce.
3	Scruples = 1 Drachm.	12	Ounces = 1 Pound.

### DIAMOND WEIGHT.

16	Parts = 1 Grain (4-5ths Grain Troy.)
4	Grains = 1 Carat (3 1-5th Grains Troy.)

### LIQUID MEASURE.

4	Gills = 1 Pint.	31½	Gallons = 1 Barrel.
2	Pints = 1 Quart.	54	Gallons = 1 Hhd.
4	Quarts = 1 Gallon.	252	Gallons = 1 Tun.

### DRY MEASURE.

8	Quarts = 1 Peck.	8	Bushels = 1 Quarter.
4	Pecks = 1 Bushel.	36	Bushels = 1 Chaldron.
	1 Bushel = 2150.42 Cubic Inches.		

## WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, shel'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover S'd.	Timothy.
Maine.....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
New Hampshire.....	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont.....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts.....	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut.....	..	45	..	56	..	..	32	60	56	56	..	..	..	..	..
New York.....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey.....	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania.....	47	48	..	56	..	..	30	56	56	60	85	..	..	62	..
Delaware.....	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia.....	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia.....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.....	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina.....	48	50	..	54	46	..	30	..	56	60	..	..	..	64	..
South Carolina.....	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	57	35	56	..	60	56	..	..	60	45
Louisiana.....	32	..	..	56	..	..	32	..	..	60	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee.....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio.....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois.....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	..	60	..
Minnesota.....	48	42	..	56	..	..	32	60	56	60	..	..	..	60	..
Iowa.....	48	52	..	55	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California.....	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon.....	46	42	..	56	..	..	36	60	56	60	..	..	..	60	..



## HELP! In Case of Accidents.

**Drowning.** 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms, from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach) direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. **DON'T GIVE UP!** People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

**Burns and Scalds.** Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive or linseed oil, plain or mixed with chalk or whiting.

**Lightning.** Dash cold water over a person struck.

**Sunstroke.** Loosen clothing. Get patient into shade and apply ice-cold water to head.

**Mad Dog or Snake Bite.** Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

**Venomous Insects' Stings, etc.** Apply weak ammonia, oil, salt water or iodine.

**Fainting.** Place flat on back; allow fresh air and sprinkle with water.

**Electricity.** Release from current, not touching body or wire with hands, metal or a wet stick. Handle body by its clothing, with rubber gloves and shoes if possible, if not, cover hands with dry woolen cloth, and stand on dry boards. Then induce artificial respiration as in a case of drowning. Rub limbs and massage body.

**Tests of Death.** Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain, if alive, it will close up.

**Cinders in the Eye.** Roll soft paper up like a lamplighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

**Fire in one's Clothing.** *Don't run* — especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down so as not to inhale flame.

**Fire in a Building.** Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. Don't get excited.

**Fire in Kerosene.** *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

**Suffocation from Inhaling Burning-Gas.** Get into the fresh air as soon as possible and lie down. Keep warm. Take Ammonia, — twenty drops to a tumbler of water, at frequent intervals.

## ANTIDOTES FOR POISONS.

**First.** Send for a Physician.

**Second.** INDUCE VOMITING, by tickling throat with feather or finger, drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.



### SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC. OXALIC, }  
ACETIC. SULPHURIC (Oil of Vit- } Soapsuds, Magnesia, Lime-water.  
riol). NITRIC (Aqua Fortis). }

Prussic Acid. Ammonia in water. Dash water in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. }  
HARTSHORN. AMMONIA. } Vinegar or Lemon juice in water.

Arsenic. }  
Rat Poison. } Milk, raw Eggs, Sweet Oil, Lime-water, Flour  
Paris Green. } and water.

Bug Poison. }  
Lead. }  
Saltpetre. } Whites of Eggs, or Milk in large doses.  
Corrosive Sublimate. }  
Sugar of Lead. }  
Blue Vitriol. }

Chloroform. }  
Chloral. } Dash cold water on head and chest. Artificial  
Ether. } respiration. Piece of ice in rectum.

Carbonate of Soda. }  
Copperas. Cobalt. } Soapsuds and mucilaginous drinks.

Iodine. }  
Antimony. } Starch and water. Astringent infusions.  
Tartar Emetic. } Strong tea.

Mercury AND ITS SALTS. Whites of Eggs. Milk. Mucilages.

Nitrate of Silver. }  
Lunar Caustic. } Salt and water.

Opium. }  
Morphine. }  
Laudanum. } Strong coffee, hot bath. Keep awake and  
Paregoric. } moving at any cost.  
Soothing Powders }  
or Syrups. }

Strychnine. }  
Tinct. of Nux Vomica. } Mustard and water. Sulphate of Zinc.  
Absolute quiet. Plug the ears.



## LEGAL HOLIDAYS.

*In most States when the holiday falls on Sunday the Monday following is observed.*

Legal holidays in some States are observed as such only by common consent, or when appointed by the Governor, and not by legislative enactment.

ALABAMA—Jan. 1 and 19, Feb. 22, Mardi-Gras, Good Friday, April 13 and 26, June 3, July 4, Labor Day, Oct. 10 and 12, Thanksgiving, Dec. 25.  
 ALASKA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 18, Thanksgiving, Dec. 25, gen. election.  
 ARIZONA—Jan. 1, Feb. 14 and 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, election day, Thanksgiving, Dec. 25.  
 ARKANSAS—Jan. 1 and 19, Feb. 22, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.  
 CALIFORNIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Sept. 9, Oct. 12, Thanksgiving, Dec. 25, general election.  
 COLORADO—Jan. 1, Feb. 12 and 22, May 30, July 4, Aug. 1, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 CONNECTICUT—Jan. 1, Feb. 12 and 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.  
 DELAWARE—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.  
 DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Inauguration Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25.  
 FLORIDA—Jan. 1 and 19, Arbor Day, Feb. 22, Mardi-Gras, Good Friday, Apr. 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. elec.  
 GEORGIA—Jan. 1 and 19, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.  
 HAWAII—Jan. 1, Feb. 22, May 30, June 11, July 4, Labor Day, Regatta Day, election day, Thanksgiving, Dec. 25.  
 IDAHO—Jan. 1, Feb. 22, May 30, June 15, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.  
 INDIANA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 IOWA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.  
 KANSAS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.  
 KENTUCKY—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras in New Orleans, Good Friday, June 3, July 4, Labor Day, Nov. 1, Thanksgiving, Dec. 25, general election.  
 MAINE—Jan. 1, Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 MARYLAND—Jan. 1, Feb. 22, Mar. 25, Good Friday, May 30, July 4, Labor Day, Sept. 12, Oct. 12, Thanksgiving, Dec. 25, general election.  
 MASSACHUSETTS—Jan. 1, Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.  
 MICHIGAN—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving Day, Dec. 25, election days.  
 MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.

MISSISSIPPI—Jan. 1, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.  
 MISSOURI—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.  
 MONTANA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 NEBRASKA—Jan. 1, Feb. 12 and 22, April 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.  
 NEVADA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12 and 31, Thanksgiving, Dec. 25, general election.  
 NEW HAMPSHIRE—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.  
 NEW JERSEY—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, every Saturday p. m., general election.  
 NEW MEXICO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.  
 NORTH CAROLINA—Jan. 1 and 19, Feb. 22, April 12, May 10 and 20, July 4, Labor Day, Thanksgiving, Dec. 25, election day.  
 NORTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.  
 OHIO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election 12 M. to 5.30 P. M.  
 OKLAHOMA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.  
 OREGON—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.  
 PENNSYLVANIA—Jan. 1, Feb. 12, spring election, Feb. 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.  
 PORTO RICO—Jan. 1, Feb. 22, Mar. 22, Good Friday, May 30, July 4, July 25, Labor Day, Oct. 12, Thanksgiving, Christmas.  
 RHODE ISLAND—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, State election, general election, every Saturday p. m.  
 SOUTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. election.  
 SOUTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25, general election.  
 TENNESSEE—Jan. 1, Feb. 22, Good Friday, 2nd Friday in May, May 30, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, general election, every Saturday p. m.  
 TEXAS—Jan. 1, Feb. 22, Mar. 2, April 21, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.  
 UTAH—Jan. 1, Feb. 12 and 22, April 15, May 30, July 4, July 24, Labor Day, Thanksgiving, Dec. 25.  
 VERMONT—Jan. 1, Feb. 22, May 30, July 4, Aug. 16, Labor Day, Oct. 12, Thanksgiving, Dec. 25.  
 VIRGINIA—Jan. 1 and 19, Feb. 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, every Saturday p. m., gen. election.  
 WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration Day, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. elec., every Sat. p. m.  
 WEST VIRGINIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Dec. 25, Thanksgiving, gen. elec., every Sat. p. m.  
 WISCONSIN—Jan. 1, Feb. 22, May 30, July 4, Labor Day, election 1st Tuesday in Sept., Thanksgiving, Dec. 25, general election.  
 WYOMING—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.



## RATE OF INCOME ON STOCKS.

Purchased at the following prices (par value being \$100), and bearing interest at the following rates.

Paid	2%	3%	4%	5%	6%	7%	8%	10%
\$50	4 00	6 00	8 00	10 00	12 00	14 00	16 00	20 00
52½	3 81	5 71	7 62	9 52	11 43	13 33	15 24	19 04
55	3 63	5 45	7 27	9 09	10 91	12 72	14 55	18 18
57½	3 48	5 22	6 96	8 70	10 43	12 17	13 91	17 40
60	3 33	5 00	6 67	8 33	10 00	11 67	13 33	16 66
62½	3 20	4 80	6 40	8 00	9 60	11 20	12 80	16 00
65	3 08	4 62	6 15	7 69	9 23	10 77	12 31	15 38
67½	2 96	4 44	5 93	7 41	8 89	10 37	11 85	14 82
70	2 86	4 29	5 71	7 14	8 57	10 00	11 43	14 28
72½	2 76	4 14	5 52	6 90	8 27	9 65	11 03	13 80
75	2 67	4 00	5 33	6 67	8 00	9 33	10 67	13 35
77½	2 58	3 87	5 16	6 45	7 74	9 03	10 32	12 90
80	2 50	3 75	5 00	6 25	7 50	8 75	10 00	12 50
82½	2 42	3 64	4 85	6 06	7 27	8 48	9 70	12 12
85	2 35	3 53	4 71	5 88	7 06	8 24	9 41	11 76
87½	2 29	3 43	4 57	5 71	6 86	8 00	9 14	11 42
90	2 22	3 33	4 44	5 56	6 67	7 78	8 89	11 11
92½	2 16	3 24	4 32	5 41	6 49	7 57	8 65	10 82
95	2 11	3 16	4 21	5 26	6 32	7 37	8 42	10 52
97½	2 05	3 08	4 10	5 13	6 15	7 18	8 21	10 26
100	2 00	3 00	4 00	5 00	6 00	7 00	8 00	10 00
102	1 96	2 94	3 92	4 90	5 88	6 86	7 84	9 80
104	1 92	2 88	3 85	4 81	5 77	6 73	7 69	9 62
106	1 88	2 83	3 77	4 72	5 66	6 60	7 55	9 44
108	1 85	2 78	3 70	4 63	5 56	6 48	7 41	9 26
110	1 82	2 73	3 64	4 55	5 45	6 36	7 27	9 10
115	1 74	2 61	3 48	4 35	5 22	6 09	6 96	8 69
120	1 67	2 50	3 33	4 17	5 00	5 83	6 67	8 33
125	1 60	2 40	3 20	4 00	4 80	5 60	6 40	8 00
130	1 54	2 31	3 08	3 85	4 62	5 38	6 15	7 70
135	1 48	2 22	2 96	3 70	4 44	5 19	5 93	7 40
140	1 43	2 14	2 86	3 57	4 29	5 00	5 71	7 14
145	1 38	2 07	2 76	3 45	4 14	4 83	5 52	6 90
150	1 33	2 00	2 67	3 33	4 00	4 67	5 33	6 66
155	1 29	1 94	2 58	3 23	3 87	4 52	5 16	6 46
160	1 25	1 87	2 50	3 12	3 75	4 37	5 00	6 25
165	1 21	1 82	2 42	3 03	3 64	4 24	4 85	6 06
170	1 18	1 76	2 35	2 94	3 53	4 12	4 71	5 88
175	1 14	1 71	2 29	2 86	3 43	4 00	4 57	5 72
180	1 11	1 67	2 22	2 78	3 33	3 89	4 44	5 55
185	1 08	1 62	2 16	2 70	3 24	3 78	4 32	5 40
190	1 05	1 58	2 11	2 63	3 16	3 68	4 21	5 26
195	1 03	1 54	2 05	2 56	3 08	3 59	4 10	5 12
200	1 00	1 50	2 00	2 50	3 00	3 50	4 00	5 00

## BUSINESS LAW IN DAILY USE.

The following compilation of Business Law contains the essence of a large amount of legal verbiage:

A note by a minor is void.

It is a fraud to conceal a fraud.

A note made on Sunday is void.

Ignorance of the law excuses no one.

A contract made with a minor is void.

A contract made with a lunatic is void.

The acts of one partner bind all the rest.

Notes bear interest only when so stated.

An agreement without consideration is void.

A receipt for money is not always conclusive.

The law compels no one to do impossibilities.

Contracts made on Sunday cannot be enforced.

Signatures made with a lead pencil are good in law.

Principals are responsible for the acts of their agents.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

If the time of payment of a note is not inserted, it is held payable on demand.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.








## VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 27, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after January 1, 1917, expressed in any of such metallic currencies:

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE.
			D. C. M.
Argentine Rep.	Gold	Peso	0 00 5
Austria-Hungary	Gold	Crown	0 20 3
Belgium	Gold	Franc	0 10 3
Bolivia	Gold	Boliviano	0 38 9
Brazil	Gold	Milreis	0 54 6
Canada	Gold	Dollar	1 00 0
Costa Rica	Gold	Colon	0 40 5
Chili	Gold	Peso	0 36 5
China	Silver	Tael..	0 81 4
		Shanghai..	0 81 4
		Hankwan..	0 60 7
		(Customs).	
Colombia	Gold	Dollar	1 00 0
Denmark	Gold	Crown	0 26 8
Ecuador	Gold	Sucro	0 48 7
Egypt	Gold	Pound (100 piastres)	4 94 3
Finland	Gold	Mark	0 19 3
France	Gold	Franc	0 19 3
German Empire	Gold	Mark	0 23 8
Great Britain	Gold	Pound sterling	4 86 6½
Greece	Gold	Drachma	0 19 3
Hayti	Gold	Gourde	0 06 5
India (British)	Gold	Rupce	0 32 4
Italy	Gold	Lira	0 19 3
Japan	Gold	Yen	0 4 8½
Liberia	Gold	Dollar	1 00 0
Mexico	Gold	Peso	0 40 8½
Netherlands	Gold	Florin	0 40 2
Newfoundland	Gold	Dollar	1 14 4
Norway	Gold	Crown	0 26 8
Panama	Gold	Balboa	1 00 0
Persia	Gold	Kran	0 17 0
Peru	Gold	Libra	4 86 6½
Philippine Islds.	Gold	Peso	0 50 0
Portugal	Gold	Escudo	1 8 1
Russia	Gold	Ruble	0 51 5
Spain	Gold	Peseta	0 19 3
Sweden	Gold	Crown	0 26 8
Switzerland	Gold	Franc	0 19 3
Turkey	Gold	Piaster	0 4 4
Uruguay	Gold	Peso	1 3 4
Venezuela	Gold	Bolivar	0 19 3

## U.S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU.

### INTERPRETATION OF SIGNALS.

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
White Flag	Blue Flag	White and Blue Flag	Black Triangular Flag	White Flag Black Center
				
Clear or Fair.	Rain or Snow.	Local Rain or Snow.	Temperature.	Cold Wave.

No. 1, alone, indicates fair weather, stationary temperature.  
 No. 2, alone, indicates rain or snow, stationary temperature.  
 No. 3, alone, indicates local rain or snow, stationary temperature.  
 No. 1 with No. 4 above it, indicates fair weather, warmer.  
 No. 1 with No. 4 below it, indicates fair weather, colder.  
 No. 2 with No. 4 above it, indicates rain or snow, warmer.  
 No. 2 with No. 4 below it, indicates rain or snow, colder.  
 No. 3 with No. 4 above it, indicates local rain or snow, warmer.  
 No. 3 with No. 4 below it, indicates local rain or snow, colder.

### DISPLAY EXAMPLES.

Colder. Fair Weather.		Rain or Snow. Warmer.		Local Rain or Snow. Colder.	
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### TO FIND THE LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.



## STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME. Light face figures indicate A. M. time; heavy face P. M. time.

To change to STANDARD TIME add or subtract the *minutes* as given below, according as they are marked *plus* or *minus*.

### Standard Time Divisions as adopted by the Railroads.

**EASTERN STANDARD**—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

**CENTRAL STANDARD**—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

**MOUNTAIN STANDARD**—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

**PACIFIC STANDARD**—120th Meridian. West from "Mountain" limits to coast.

### Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
	Minutes.		Minutes.
Bangor, Me.....	- 25	Cleveland, Ohio.....	- 33
Augusta, Me.....	- 21	Columbus, Ohio.....	- 28
Portland, Me.....	- 19	Detroit, Mich.....	- 28
Boston, Mass.....	- 16	Toledo, Ohio.....	- 26
Newport, R. I.....	- 15	Dayton, Ohio.....	- 23
Providence, R. I.....	- 14	Cincinnati, Ohio.....	- 22
Concord, N. H.....	- 14	Louisville, Ky.....	- 18
New London, Conn.....	- 11	Indianapolis, Ind.....	- 16
Springfield, Mass.....	- 10	Chicago, Ill.....	- 10
Montpelier, Vt.....	- 10	Milwaukee, Wis.....	- 8
Hartford, Conn.....	- 9	Springfield, Ill.....	- 2
Montreal, Que.....	- 6	Memphis, Tenn.....	0
Albany, N. Y.....	- 5	New Orleans, La.....	0
New York, N. Y.....	- 4	St. Louis, Mo.....	+ 1
Utica, N. Y.....	- 1	Rock Island, Ill.....	+ 3
Philadelphia, Pa.....	- 1	Dubuque, Iowa.....	+ 3
Syracuse, N. Y.....	- 5	Burlington, Iowa.....	+ 5
Baltimore, Md.....	- 6	St. Paul, Minn.....	+ 12
Washington, D. C.....	- 8	Des Moines, Iowa.....	+ 14
Rochester, N. Y.....	+ 11	Kansas City, Mo.....	+ 18
Buffalo, N. Y.....	+ 16	Galveston, Texas.....	+ 19
Pittsburg, Pa.....	+ 26	Omaha, Neb.....	+ 24

Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col.....	0	Sacramento, Cal.....	+ 6
Salt Lake City, Utah.....	+ 28	San Francisco, Cal.....	+ 10

## TIDE TABLE.

To Find High Water (Standard Time) Add to, or Subtract from, High Water at New York.

(Computed by the U. S. Coast Survey.)

EASTERN STANDARD.		Mean Range.	
		H. M.	Feet.
Eastport, Me.....	add	2 37	18.2
Bar Harbor, Me.....	"	2 31	10.5
Rockland, Me.....	"	2 44	9.7
Portland, Me.....	"	2 52	8.9
Portsmouth, N. H.....	"	3 13	7.8
Isle of Shoals, N. H.....	"	3 1	8.7
Newburyport, Mass.....	"	3 23	7.8
Rockport, Mass.....	"	2 55	8.8
Gloucester, Mass.....	"	2 57	8.9
Salem, Mass.....	"	3 0	9.0
Marblehead, Mass.....	"	2 52	9.2
Nahant, Mass.....	"	2 50	9.1
Hull, Mass.....	"	3 2	9.0
Plymouth, Mass.....	"	3 4	9.6
Provincetown, Mass.....	"	3 3	9.2
Nantucket, Mass.....	"	4 4	3.1
Vineyard Haven, Mass.....	"	3 25	1.7
Wood's Hole, North Side, Mass.....	sub.	0 18	3.9
Wood's Hole, South Side, Mass.....	add	0 9	1.8
New Bedford Entrance (Dumpling Rock), Mass. }	sub.	0 26	3.7
Newport, R. I.....	"	0 31	3.5
Bristol, R. I.....	"	0 13	4.1
Providence, R. I.....	"	0 2	4.6
Point Judith, R. I.....	"	0 29	3.1
New Shoreham, Block Island, R. I.....	"	0 41	3.0
New London, Conn.....	add	1 14	2.5
Norwich, Conn.....	"	1 55	3.1
New Haven, Conn.....	"	3 0	6.0
Montauk Point, L. I.....	"	0 7	2.0
Coney Island, L. I.....	sub.	0 29	4.7
West Point, N. Y.....	add	3 2	2.8
Long Branch, N. J.....	sub.	0 43	4.3
Cape May City, N. J.....	"	0 10	4.6
League Island, Pa.....	add	5 26	5.4
Philadelphia, Pa.....	"	5 56	5.3
Annapolis, Md.....	sub.	3 12	0.9
Baltimore, Md.....	"	1 20	1.2
Richmond, Va.....	"	3 32	3.7
Hatteras Inlet, N. C.....	"	0 47	2.0
Charleston (C. H. Wharf), S. C.....	"	0 15	5.2

### CENTRAL STANDARD.

Fort Pulaski (Savannah Ent.), Ga.....	sub.	1 18	6.9
Savannah (Dry Dock Wharf), Ga.....	"	0 23	6.5
Jacksonville, Fla.....	add	0 10	1.0
St. Augustine, Fla.....	sub.	0 14	4.2
Key West, Fla.....	add	0 47	1.2
Tampa Bay (Egmont Key), Fla.....	"	3 3	1.4
Cedar Keys (Depot Key), Fla.....	"	4 39	2.4



## FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 27
Quinquagesima—Shrove Sunday	Feb. 10
Ash Wednesday	Feb. 13
First Sunday in Lent	Feb. 17
St. Patrick	Mar. 17
Palm Sunday	Mar. 24
Good Friday	Mar. 29
Easter Sunday	Mar. 31
Low Sunday	April 7
Rogation Sunday	May 5
Ascension Day—Holy Thursday	May 9
Pentecost—Whit Sunday	May 19
Trinity Sunday	May 26
Corpus Christi	May 30
St. John Baptist	June 24
Michaelmas Day	Sept. 29
St. Andrew	Nov. 30
First Sunday in Advent	Dec. 1
Christmas Day	Dec. 25

## CHRONOLOGICAL CYCLES.

Dominical Letter	F
Epact	17
Lunar Cycle, or Golden Number	19
Solar Cycle	23
Roman Indiction	1
Julian Period	6631

## THE SEASONS.

Eastern Standard.		Central Standard.	
Vernal Equinox...	Mar. 21, 5h. M.	Mar. 21, 4h. M.	
Summer Solstice.....	June 22, 1h. M.	June 22, oh. M.	
Autumnal Equinox.....	Sept. 23, 3h. A.	Sept. 23, 2h. A.	
Winter Solstice. ....	Dec. 22, 10h. M.	Dec. 22, 9h. M.	
Mountain Standard.		Pacific Standard.	
Vernal Equinox.....	Mar. 21, 3h. M.	Mar. 21, 2h. M.	
Summer Solstice.....	June 21, 11h. A.	June 21, 10h. A.	
Autumnal Equinox.....	Sept. 23, 1h. A.	Sept. 23, oh. A.	
Winter Solstice.....	Dec. 22, 8h. M.	Dec. 22, 7h. M.	

## MORNING STARS.

**MERCURY.**—About January 25, May 24 and September 18.  
**VENUS.**—February 9 to November 23.  
**MARS.**—Until March 15.  
**JUPITER.**—June 15 to the end of the year.  
**SATURN.**—Until January 31; August 11 to the end of the year.

## EVENING STARS.

**MERCURY.**—About April 7, August 5 and November 29.  
**VENUS.**—Until February 9; November 23 to the end of the year.  
**MARS.**—March 15 to the end of the year.  
**JUPITER.**—Until June 15.  
**SATURN.**—January 31 to August 11.

## ECLIPSES FOR THE YEAR.

In the year 1918 there will be three Eclipses, two of the Sun and one of the Moon.

I. A TOTAL ECLIPSE OF THE SUN, June 8. Visible to North America, the extreme northwestern corner of South America, and the northeastern part of Asia. The path of totality extending diagonally across the United States from Astoria, Oregon, to Orlando, Florida. Occurring as follows:

	Standard	Begins	Ends
		h. m.	h. m.
Boston.....	Eastern	5 31 A.	7 12 A.
New York.....	"	5 32 A.	7 16 A.
Philadelphia.....	"	5 32 A.	7 15 A.
Pittsburg.....	"	5 30 A.	7 20 A.
Washington.....	"	5 33 A.	7 21 A.
Charleston.....	"	5 40 A.	Soon after sunset
Cincinnati.....	Central	4 30 A.	6 24 A.
Chicago.....	"	4 24 A.	6 22 A.
St. Paul.....	"	4 16 A.	6 18 A.
Omaha.....	"	4 19 A.	6 25 A.
St. Louis.....	"	4 27 A.	6 27 A.
Jackson.....	"	4 35 A.	6 35 A.
Orlando.....	"	4 44 A.	After sunset
New Orleans.....	"	4 38 A.	6 37 A.
Bismarck.....	Mountain	3 7 A.	5 10 A.
Denver.....	"	3 12 A.	5 27 A.
Salt Lake City.....	"	3 1 A.	5 24 A.
San Francisco.....	Pacific	1 49 A.	4 21 A.
Portland.....	"	1 38 A.	4 11 A.
Astoria.....	"	1 36 A.	4 8 A.

II. A PARTIAL ECLIPSE OF THE MOON, June 24. Visible to Australia and the Pacific Ocean. The beginning visible to North America except the northeastern portion, and South America except the eastern portion; the ending visible to southwestern North America, and western and southern South America. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
	h. m.	h. m.	h. m.	h. m.
Moon enters penumbra..	3 9 M.	2 9 M.	1 9 M.	0 9 M.
Moon enters shadow....	4 46 M.	3 46 M.	2 46 M.	1 46 M.
Middle of eclipse .....	Invisible	4 28 M.	3 28 M.	2 28 M.
Moon leaves shadow....	"	Invisible	4 10 M.	3 10 M.
Moon leaves penumbra..	"	"	Invisible	4 47 M.

First contact of shadow, 28 degrees from the south point of the Moon's limb toward the east.

Magnitude of eclipse, 0.133 (Moon's diameter, 1.0).

III. AN ANNULAR ECLIPSE OF THE SUN, December 3. Invisible to the United States. Visible to South America except the northern portion, southern Africa, and the extreme southern edge of Mexico.



## The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England, Central New York, Southern Michigan, Southern Wisconsin, Northern Iowa, Northern Nebraska, South Dakota, and Wyoming.

## The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania, Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

## The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias, Southern Ohio, Southern Indiana, Southern Illinois, Kentucky, Missouri, Kansas, and Colorado.

### THE SIZE OF THE SEAS.

	Miles Long
Mediterranean.....	2,000
Caribbean.....	1,800
Red .....	1,400
Black.....	932
Baltic.....	600

### AREA OF OCEANS IN SQUARE MILES.

Pacific .....	70,000,000
Atlantic.....	35,000,000
Indian .....	23,000,000
Southern .....	7,000,000
Arctic.....	4,000,000





### SIZE OF THE GREAT LAKES.

	Miles Long.	Miles Wide.
Superior .....	380	120
Michigan .....	330	60
Ontario .....	170	40
Champlain .....	123	12
Erie .....	270	50
Huron.....	250	90
Winnipeg .....	240	40
Athabaska .....	200	20



## JANUARY

MOON'S PHASES. (In Standard Time.)					EASTERN DIVISION.					CENTRAL DIVISION.						
LAST QUARTER.....					5d.	6h.	50m.	A.M.	5d.					5h.	50m.	A.M.
NEW MOON .....					12d.	5h.	36m.	P.M.	12d.					4h.	36m.	P.M.
FIRST QUARTER .....					19d.	9h.	38m.	A.M.	19d.					8h.	38m.	A.M.
FULL MOON .....					26d.	10h.	14m.	P.M.	26d.					9h.	14m.	P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.ofM.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Morning	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning	Local Mean Time.		Morning	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.		
1	TU.	r7 30	9 11	1 45		r7 24	9 12	10 34		r7 19	9 15		
2	WE.	s4 39	10 11	2 27		s4 44	10 11	11 11		s4 49	10 12		
3	TH.	r7 30	11 10	3 10		r7 25	11 9	11 47		r7 19	11 9		
4	FR.	s4 40	morn	3 55		s4 45	morn	0 43		s4 51	morn		
5	SA.	r7 30	0 10	4 43		r7 25	0 8	1 31		r7 19	0 7		
6		s4 42	1 11	5 31		s4 47	1 8	2 23		s4 52	1 6		
7	MO.	r7 30	2 14	6 21		r7 25	2 10	3 17		r7 19	2 7		
8	TU.	s4 44	3 17	7 13		s4 49	3 12	4 10		s4 54	3 8		
9	WE.	r7 29	4 20	8 5		r7 25	4 15	5 0		r7 19	4 9		
10	TH.	s4 46	5 22	8 55		s4 51	5 16	5 46		s4 56	5 10		
11	FR.	r7 29	6 17	9 45		r7 24	6 11	6 31		r7 19	6 6		
12	SA.	s4 48	sets	10 33		s4 53	sets	7 15		s4 58	sets		
13		r7 28	6 4	11 23		r7 24	6 7	7 59		r7 18	6 12		
14	MO.	s4 50	7 20	.....		s4 55	7 22	8 44		s5 0	7 26		
15	TU.	r7 28	8 36	0 41		r7 23	8 37	9 30		r7 18	8 39		
16	WE.	s4 53	9 51	1 31		s4 58	9 51	10 18		s5 2	9 51		
17	TH.	r7 27	11 5	2 22		r7 22	11 3	11 11		r7 17	11 3		
18	FR.	s4 55	morn	3 14		s5 0	morn	.....		s5 5	morn		
19	SA.	r7 25	0 18	4 10		r7 21	0 15	1 2		r7 16	0 13		
20		s4 58	1 30	5 8		s5 2	1 26	2 9		s5 7	1 22		
21	MO.	r7 24	2 39	6 9		r7 20	2 34	3 18		r7 15	2 29		
22	TU.	s5 0	3 44	7 9		s5 4	3 38	4 22		s5 9	3 33		
23	WE.	r7 23	4 43	8 10		r7 19	4 37	5 19		r7 14	4 31		
24	TH.	s5 3	5 33	9 7		s5 7	5 27	6 11		s5 11	5 22		
25	FR.	r7 21	6 14	9 57		r7 17	6 9	6 57		r7 13	6 4		
26	SA.	s5 5	rises	10 45		s5 9	rises	7 39		s5 13	rises		
27		r7 20	5 58	11 27		r7 16	6 1	8 17		r7 12	6 4		
28	MO.	s5 8	6 59	.....		s5 12	7 1	8 52		s5 16	7 3		
29	TU.	r7 18	7 59	0 36		r7 14	8 0	9 25		r7 10	8 1		
30	WE.	s5 10	8 59	1 14		s5 14	8 59	9 56		s5 18	8 59		
31	TH.	r7 17	9 59	1 54		r7 12	9 57	10 24		r7 8	9 57		





## FEBRUARY

MOON'S PHASES. (In Standard Time.)				EASTERN DIVISION.				CENTRAL DIVISION			
LAST QUARTER.....				4d.	2h. 52m. A.M.					4d.	1h. 52m. A.M.
NEW MOON.....				11d.	5h. 5m. A.M.					11d.	4h. 5m. A.M.
FIRST QUARTER.....				17d.	7h. 57m. P.M.					17d.	6h. 57m. P.M.
FULL MOON.....				25d.	4h. 35m. P.M.					25d.	3h. 35m. P.M.
1918				LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.			
Day	of	SUN	MOON	Local Mean Time.	Boston	Local Mean Time.	N. Y.	Local Mean Time.	Wash.	Local Mean Time.	Cin. & St. Louis.
W'k.	R. & S.	R. & S.	R. & S.	Time.	Morning	Time.	Time.	Time.	Time.	Time.	Time.
1	FR.	r7 15	10 58	2 33	r7 11	10 55	10 57	r7 8	10 55		
2	SA.	s5 14	11 59	3 15	s5 18	11 55	11 32	s5 22	11 53		
3	S	r7 13	morn	3 59	r7 10	morn	0 12	r7 6	morn		
4	MO.	s5 17	1 0	4 46	s5 20	0 56	1 4	s5 24	0 51		
5	TU.	r7 11	2 2	5 38	r7 7	1 57	2 7	r7 4	1 51		
6	WE.	s5 19	3 4	6 33	s5 23	2 58	3 18	s5 26	2 52		
7	TH.	r7 9	4 1	7 29	r7 5	3 55	4 24	r7 2	3 49		
8	FR.	s5 22	4 52	8 24	s5 25	4 47	5 21	s5 28	4 41		
9	SA.	r7 6	5 37	9 18	r7 3	5 32	6 13	r7 0	5 28		
10	S	s5 25	6 15	10 10	s5 28	6 12	7 1	s5 31	6 9		
11	MO.	r7 4	sets	11 2	r7 1	sets	7 47	r6 58	sets		
12	TU.	s5 27	7 28	11 52	s5 30	7 28	8 33	s5 33	7 29		
13	WE.	r7 1	8 46	0 20	r6 58	8 45	9 20	r6 55	8 45		
14	TH.	s5 30	10 2	1 9	s5 32	10 0	10 8	s5 35	9 58		
15	FR.	r6 58	11 17	2 0	r6 56	11 13	11 0	r6 53	11 11		
16	SA.	s5 32	morn	2 52	s5 35	morn	11 57	s5 38	morn		
17	S	r6 56	0 29	3 47	r6 53	0 24	0 39	r6 50	0 20		
18	MO.	s5 35	1 36	4 44	s5 37	1 31	1 48	s5 40	1 25		
19	TU.	r6 53	2 37	5 45	r6 50	2 31	2 59	r6 48	2 25		
20	WE.	s5 37	3 30	6 48	s5 40	3 24	4 5	s5 42	3 19		
21	TH.	r6 50	4 14	7 50	r6 48	4 9	5 5	r6 45	4 4		
22	FR.	s5 40	4 51	8 48	s5 42	4 47	5 57	s5 44	4 43		
23	SA.	r6 47	5 22	9 39	r6 45	5 19	6 41	r6 43	5 16		
24	S	s5 43	5 50	10 24	s5 45	5 47	7 20	s5 46	5 46		
25	MO.	r6 44	rises	11 5	r6 42	rises	7 56	r6 40	rises		
26	TU.	s5 45	6 50	11 44	s5 47	6 50	8 28	s5 49	6 51		
27	WE.	r6 41	7 50	0 6	r6 39	7 49	8 59	r6 37	7 49		
28	TH.	s5 47	8 49	0 42	s5 49	8 47	9 25	s5 51	8 46		
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...



## MARCH

MOON'S PHASES. (In Standard Time.)				EASTERN DIVISION.				CENTRAL DIVISION.			
LAST QUARTER.....				5d.	7h. 44m. P.M.					5d.	6h. 44m. P.M.
NEW MOON.....				12d.	2h. 52m. P.M.					12d.	1h. 52m. P.M.
FIRST QUARTER.....				19d.	8h. 30m. A.M.					19d.	7h. 30m. A.M.
FULL MOON.....				27d.	10h. 33m. A.M.					27d.	9h. 33m. A.M.
1918				LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.			
Day	of	SUN	MOON	Local Mean Time.	Boston	Local Mean Time.	N. Y.	Local Mean Time.	Wash.	Local Mean Time.	Cin. & St. Louis.
W'k.	R. & S.	R. & S.	R. & S.	Time.	Morning	Time.	Time.	Time.	Time.	Time.	Time.
1	FR.	r6 38	9 50	1 20	r6 36	9 47	9 50	r6 34	9 45		
2	SA.	s5 50	10 51	1 58	s5 51	10 47	10 19	s5 53	10 44		
3	S	r6 34	11 51	2 37	r6 33	11 46	10 54	r6 31	11 42		
4	MO.	s5 52	morn	3 20	s5 54	morn	11 36	s5 55	morn		
5	TU.	r6 31	0 51	4 8	r6 30	0 46	0 9	r6 29	0 40		
6	WE.	s5 55	1 49	5 1	s5 56	1 43	1 7	s5 57	1 37		
7	TH.	r6 28	2 41	5 58	r6 27	2 36	2 21	r6 26	2 30		
8	FR.	s5 57	3 27	6 57	s5 58	3 22	3 43	s5 59	3 17		
9	SA.	r6 24	4 8	7 56	r6 24	4 4	4 52	r6 23	4 0		
10	S	s5 59	4 44	8 53	s6 0	4 41	5 50	s6 1	4 39		
11	MO.	r6 21	5 15	9 48	r6 20	5 13	6 42	r6 20	5 13		
12	TU.	s6 2	sets	10 40	s6 2	sets	7 31	s6 3	sets		
13	WE.	r6 18	7 35	11 31	r6 17	7 33	8 19	r6 16	7 32		
14	TH.	s6 4	8 54	...	s6 5	8 51	9 7	s6 5	8 49		
15	FR.	r6 14	10 10	0 46	r6 14	10 6	9 56	r6 13	10 2		
16	SA.	s6 6	11 22	1 37	s6 7	11 17	10 47	s6 7	11 12		
17	S	r6 11	morn	2 28	r6 11	morn	11 42	r6 10	morn		
18	MO.	s6 9	0 27	3 23	s6 9	0 21	0 15	s6 9	0 16		
19	TU.	r6 7	1 24	4 20	r6 7	1 18	1 23	r6 7	1 13		
20	WE.	s6 11	2 12	5 21	s6 11	2 7	2 34	s6 11	2 1		
21	TH.	r6 4	2 52	6 24	r6 4	2 47	3 42	r6 4	2 43		
22	FR.	s6 13	3 25	7 25	s6 13	3 21	4 42	s6 13	3 19		
23	SA.	r6 0	3 53	8 22	r6 1	3 50	5 32	r6 1	3 48		
24	S	s6 15	4 18	9 13	s6 15	4 16	6 16	s6 15	4 15		
25	MO.	r5 57	4 41	9 57	r5 57	4 40	6 55	r5 58	4 40		
26	TU.	s6 13	5 5 10	38	s6 17	5 5	7 31	s6 17	5 6		
27	WE.	r5 53	rises	11 17	r5 54	rises	8 3	r5 54	rises		
28	TH.	s6 20	7 42	11 52	s6 19	7 39	8 32	s6 19	7 37		
29	FR.	r5 50	8 43	0 11	r5 51	8 39	8 58	r5 51	8 36		
30	SA.	s6 22	9 44	0 47	s6 21	9 39	9 24	s6 20	9 35		
31	S	r5 46	10 44	1 25	r5 47	10 39	9 53	r5 48	10 33		





APRIL

MOON'S PHASES.  
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

LAST QUARTER.....	4d. 8h. 33m. A.M.	4d. 7h. 33m. A.M.
NEW MOON.....	10d. 11h. 34m. P.M.	10d. 10h. 34m. P.M.
FIRST QUARTER.....	17d. 11h. 8m. P.M.	17d. 10h. 8m. P.M.
FULL MOON.....	26d. 3h. 5m. A.M.	26d. 2h. 5m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.			LATITUDE OF NEW YORK AND PHILADELPHIA.			LAT. OF WASH. C.N. & ST. LOUIS.		
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Local Mean Time.		N. Y. Tide.	Local Mean Time.		N. Y. Tide.
		SUN R.& S.	MOON R.& S.	Stand. Time.	SUN R.& S.	MOON R.& S.	Stand. Time.	SUN R.& S.	MOON R.& S.	Stand. Time.
1	Mo.	r5 45	11 42	2 5	r5 45	11 36	10 30	r5 47	11 31	
2	Tu.	s6 26	morn	2 48	s6 24	morn	11 13	s6 23	morn	
3	We.	r5 41	0 35	3 36	r5 42	0 29	.....	r5 44	0 24	
4	Th.	s6 28	1 21	4 30	s6 27	1 16	0 31	s6 25	1 11	
5	Fr.	r5 38	2 2	5 29	r5 39	1 58	1 41	r5 40	1 53	
6	Sa.	s6 30	2 39	6 30	s6 29	2 36	3 3	s6 27	2 33	
7	S	r5 34	3 12	7 30	r5 36	3 10	4 20	r5 37	3 9	
8	Mo.	s6 32	3 42	8 29	s6 31	3 41	5 25	s6 29	3 41	
9	Tu.	r5 31	4 11	9 25	r5 32	4 11	6 21	r5 34	4 13	
10	We.	s6 34	sets	10 20	s6 33	sets	7 13	s6 31	sets	
11	Th.	r5 28	7 40	11 12	r5 29	7 36	8 4	r5 31	7 34	
12	Fr.	s6 37	8 57	.....	s6 35	8 52	8 53	s6 33	8 48	
13	Sa.	r5 24	10 9	0 23	r5 26	10 4	9 43	r5 28	9 58	
14	S	s6 39	11 12	1 14	s6 37	11 6	10 36	s6 35	11 1	
15	Mo.	r5 21	morn	2 5	r5 23	11 59	11 32	r5 25	11 54	
16	Tu.	s6 41	0 5	2 59	s6 39	morn	.....	s6 37	morn	
17	We.	r5 18	0 49	3 55	r5 20	0 44	0 55	r5 22	0 39	
18	Th.	s6 44	1 26	4 53	s6 41	1 22	2 1	s6 39	1 18	
19	Fr.	r5 15	1 56	5 53	r5 17	1 53	3 6	r5 19	1 51	
20	Sa.	s6 46	2 22	6 51	s6 43	2 20	4 5	s6 41	2 19	
21	S	r5 12	2 46	7 46	r5 14	2 45	4 57	r5 17	2 45	
22	Mo.	s6 48	3 9	8 37	s6 45	3 9	5 43	s6 43	3 10	
23	Tu.	r5 8	3 31	9 23	r5 11	3 32	6 24	r5 14	3 34	
24	We.	s6 50	3 55	10 7	s6 47	3 57	7 1	s6 44	4 0	
25	Th.	r5 5	4 21	10 47	r5 8	4 24	7 35	r5 11	4 28	
26	Fr.	s6 52	rises	11 24	s6 49	rises	8 6	s6 46	rises	
27	Sa.	r5 2	8 37	.....	r5 5	8 32	8 36	r5 9	8 27	
28	S	s6 54	9 35	0 17	s6 51	9 30	9 5	s6 48	9 24	
29	Mo.	r5 0	10 29	0 57	r5 3	10 23	9 37	r5 6	10 18	
30	Tu.	s6 57	11 18	1 39	s6 53	11 13	10 15	s6 50	11 7	



MAY

MOON'S PHASES.  
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

LAST QUARTER.....	3d. 5h. 26m. P.M.	3d. 4h. 26m. P.M.
NEW MOON.....	10d. 8h. 1m. A.M.	10d. 7h. 1m. A.M.
FIRST QUARTER.....	17d. 3h. 14m. P.M.	17d. 2h. 14m. P.M.
FULL MOON.....	25d. 5h. 32m. P.M.	25d. 4h. 32m. P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.			LATITUDE OF NEW YORK AND PHILADELPHIA.			LAT. OF WASH. C.N. & ST. LOUIS.		
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Local Mean Time.		N. Y. Tide.	Local Mean Time.		N. Y. Tide.
		SUN R.& S.	MOON R.& S.	Stand. Time.	SUN R.& S.	MOON R.& S.	Stand. Time.	SUN R.& S.	MOON R.& S.	Stand. Time.
1	We.	r4 57	morn	2 23	r5 0	11 56	11 0	r5 4	11 52	
2	Th.	s6 59	0 1	3 12	s6 55	morn	11 54	s6 52	morn	
3	Fr.	r4 54	0 38	4 6	r4 58	0 34	0 9	r5 1	0 32	
4	Sa.	s7 1	1 11	5 5	s6 58	1 8	1 14	s6 54	1 7	
5	S	r4 51	1 41	6 5	r4 55	1 40	2 30	r4 59	1 39	
6	Mo.	s7 3	2 10	7 6	s7 0	2 10	3 48	s6 56	2 11	
7	Tu.	r4 49	2 40	8 6	r4 53	2 41	4 58	r4 57	2 43	
8	We.	s7 6	3 12	9 2	s7 2	3 14	5 58	s6 58	3 18	
9	Th.	r4 46	3 47	9 57	r4 50	3 51	6 55	r4 54	3 55	
10	Fr.	s7 8	sets	10 51	s7 4	sets	7 49	s7 0	sets	
11	Sa.	r4 44	8 53	11 46	r4 48	8 48	8 40	r4 52	8 42	
12	S	s7 10	9 52	0 2	s7 6	9 47	9 31	s7 1	9 41	
13	Mo.	r4 42	10 41	0 52	r4 46	10 36	10 23	r4 50	10 31	
14	Tu.	s7 12	11 21	1 44	s7 8	11 17	11 16	s7 3	11 13	
15	We.	r4 40	11 55	2 35	r4 44	11 52	.....	r4 48	11 49	
16	Th.	s7 14	morn	3 27	s7 10	morn	0 23	s7 5	morn	
17	Fr.	r4 38	0 24	4 21	r4 42	0 22	1 19	r4 47	0 20	
18	Sa.	s7 16	0 49	5 16	s7 12	0 48	2 17	s7 7	0 47	
19	S	r4 36	1 12	6 10	r4 40	1 12	3 15	r4 45	1 12	
20	Mo.	s7 18	1 35	7 5	s7 14	1 36	4 10	s7 9	1 37	
21	Tu.	r4 34	1 59	7 57	r4 38	2 1	5 0	r4 43	2 3	
22	We.	s7 20	2 24	8 46	s7 15	2 27	5 45	s7 10	2 30	
23	Th.	r4 32	2 51	9 32	r4 37	2 55	6 26	r4 42	2 59	
24	Fr.	s7 22	3 23	10 16	s7 17	3 27	7 5	s7 12	3 33	
25	Sa.	r4 30	rises	10 59	r4 35	rises	7 41	r4 41	rises	
26	S	s7 24	8 26	11 40	s7 19	8 20	8 16	s7 14	8 15	
27	Mo.	r4 29	9 17	.....	r4 34	9 12	8 51	r4 39	9 6	
28	Tu.	s7 26	10 1	0 33	s7 21	9 56	9 28	s7 15	9 51	
29	We.	r4 28	10 40	1 16	r4 33	10 36	10 9	r4 38	10 32	
30	Th.	s7 27	11 14	2 2	s7 22	11 11	10 55	s7 17	11 9	
31	Fr.	r4 27	11 44	2 52	r4 32	11 42	11 48	r4 37	11 42	



# JUNE

## MOON'S PHASES. (In Standard Time.)

## EASTERN DIVISION.

## CENTRAL DIVISION.

LAST QUARTER.....	1d. 11h. 20m. P.M.	1d. 10h. 20m. P.M.
NEW MOON.....	8d. 5h. 3m. P.M.	8d. 4h. 3m. P.M.
FIRST QUARTER.....	16d. 8h. 12m. A.M.	16d. 7h. 12m. A.M.
FULL MOON.....	24d. 5h. 38m. A.M.	24d. 4h. 38m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D.of M.	Day of W'k.	Local Mean Time.		Boston Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.
1	SA.	r4 26	morn	3 45		r4 31	morn	.....		r4 37	morn
2	S	s7 30	0 13	4 43		s7 24	0 12	0 55		s7 19	0 13
3	Mo.	r4 25	0 41	5 44		r4 30	0 42	2 4		r4 36	0 43
4	Tu.	s7 31	1 11	6 46		s7 26	1 13	3 20		s7 20	1 16
5	We.	r4 24	1 43	7 46		r4 30	1 46	4 33		r4 35	1 50
6	Th.	s7 33	2 20	8 46		s7 27	2 24	5 39		s7 22	2 29
7	Fr.	r4 24	3 5	9 43		r4 29	3 10	6 39		r4 35	3 16
8	SA.	s7 34	sets	10 37		s7 28	sets	7 34		s7 23	sets
9	S	r4 23	8 30	11 29		r4 29	8 25	8 26		r4 34	8 19
10	Mo.	s7 35	9 15	.....		s7 30	9 10	9 17		s7 24	9 6
11	Tu.	r4 22	9 52	0 32		r4 28	9 48	10 7		r4 34	9 45
12	We.	s7 36	10 23	1 21		s7 31	10 20	10 55		s7 25	10 18
13	Th.	r4 22	10 50	2 9		r4 28	10 48	11 43		r4 34	10 47
14	Fr.	s7 37	11 14	2 57		s7 32	11 13	.....		s7 26	11 13
15	SA.	r4 22	11 37	3 46		r4 28	11 37	0 34		r4 34	11 38
16	S	s7 38	morn	4 37		s7 32	morn	1 22		s7 27	morn
17	Mo.	r4 22	0 0	5 30		r4 28	0 1	2 14		r4 34	0 3
18	Tu.	s7 39	0 24	6 22		s7 33	0 26	3 9		s7 27	0 29
19	We.	r4 22	0 51	7 15		r4 28	0 54	4 5		r4 34	0 58
20	Th.	s7 39	1 22	8 6		s7 34	1 26	4 59		s7 28	1 31
21	Fr.	r4 23	1 58	8 55		r4 28	2 3	5 48		r4 34	2 9
22	SA.	s7 40	2 40	9 43		s7 34	2 46	6 32		s7 28	2 52
23	S	r4 23	3 31	10 29		r4 29	3 37	7 15		r4 35	3 43
24	Mo.	s7 40	rises	11 14		s7 35	rises	7 56		s7 29	rises
25	Tu.	r4 24	8 40	11 58		r4 29	8 36	8 37		r4 35	8 31
26	We.	s7 40	9 16	0 10		s7 35	9 13	9 19		s7 29	9 10
27	Th.	r4 24	9 48	0 56		r4 30	9 46	10 3		r4 36	9 45
28	Fr.	s7 40	10 17	1 43		s7 35	10 16	10 49		s7 29	10 16
29	SA.	r4 25	10 45	2 34		r4 31	10 45	11 40		r4 36	10 47
30	S	s7 40	11 14	3 28		s7 35	11 16	.....		s7 29	11 18

# JULY

## MOON'S PHASES. (In Standard Time.)

## EASTERN DIVISION.

## CENTRAL DIVISION.

LAST QUARTER.....	1d. 3h. 43m. A.M.	1d. 2h. 43m. A.M.
NEW MOON.....	8d. 3h. 22m. A.M.	8d. 2h. 22m. A.M.
FIRST QUARTER.....	16d. 1h. 25m. A.M.	16d. 0h. 25m. A.M.
FULL MOON.....	23d. 3h. 35m. P.M.	23d. 2h. 35m. P.M.
LAST QUARTER.....	30d. 8h. 14m. A.M.	30d. 7h. 14m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D.of M.	Day of W'k.	Local Mean Time.		Boston Stand. Time.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.	
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.
1	Mo.	r4 26	11 45	4 25		r4 32	11 48	0 41		r4 37	11 51
2	Tu.	s7 40	morn	5 24		s7 35	morn	1 47		s7 29	morn
3	We.	r4 27	0 20	6 25		r4 33	0 24	3 3		r4 38	0 29
4	Th.	s7 40	1 0	7 28		s7 34	1 5	4 16		s7 29	1 10
5	Fr.	r4 28	1 46	8 30		r4 34	1 52	5 25		r4 39	1 53
6	SA.	s7 39	2 40	9 27		s7 34	2 46	6 25		s7 28	2 52
7	S	r4 29	3 41	10 22		r4 35	3 46	7 20		r4 40	3 53
8	Mo.	s7 39	sets	11 13		s7 32	sets	8 11		s7 28	sets
9	Tu.	r4 31	8 22	.....		r4 37	8 19	8 59		r4 42	8 16
10	We.	s7 38	8 51	0 13		s7 33	8 49	9 43		s7 27	8 47
11	Th.	r4 32	9 17	0 58		r4 38	9 16	10 27		r4 43	9 15
12	Fr.	s7 37	9 41	1 42		s7 32	9 41	11 8		s7 26	9 42
13	SA.	r4 33	10 4	2 26		r4 39	10 5	11 48		r4 44	10 7
14	S	s7 36	10 27	3 11		s7 31	10 29	.....		s7 26	10 32
15	Mo.	r4 35	10 52	3 58		r4 40	10 55	0 25		r4 46	10 59
16	Tu.	s7 35	11 21	4 48		s7 30	11 25	1 8		s7 24	11 29
17	We.	r4 37	11 54	5 40		r4 42	11 59	1 58		r4 47	morn
18	Th.	s7 34	morn	6 33		s7 29	morn	2 59		s7 23	0 4
19	Fr.	r4 38	0 33	7 26		r4 43	0 38	4 5		r4 49	0 44
20	SA.	s7 32	1 20	8 19		s7 27	1 25	5 5		s7 22	1 32
21	S	r4 40	2 15	9 10		r4 45	2 20	5 59		r4 50	2 27
22	Mo.	s7 30	3 17	9 58		s7 26	3 22	6 47		s7 21	3 28
23	Tu.	r4 42	rises	10 45		r4 47	rises	7 33		r4 52	rises
24	We.	s7 29	7 48	11 32		s7 24	7 45	8 18		s7 19	7 44
25	Th.	r4 44	8 18	.....		r4 49	8 17	9 3		r4 53	8 16
26	Fr.	s7 27	8 48	0 36		s7 22	8 48	9 48		s7 18	8 49
27	SA.	r4 46	9 18	1 25		r4 50	9 19	10 36		r4 55	9 21
28	S	s7 25	9 48	2 16		s7 21	9 50	11 26		s7 16	9 54
29	Mo.	r4 48	10 21	3 10		r4 52	10 24	.....		r4 57	10 29
30	Tu.	s7 23	10 59	4 6		s7 19	11 3	0 34		s7 14	11 9
31	We.	r4 50	11 45	5 7		r4 54	11 56	1 40		r4 59	11 56





AUGUST

MOON'S PHASES.  
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

NEW MOON.....	6d. 3h. 30m. P.M.	6d. 2h. 30m. P.M.
FIRST QUARTER .....	14d. 6h. 16m. P.M.	14d. 5h. 16m. P.M.
FULL MOON .....	22d. oh. 2m. A.M.	21d. 11h. 2m. P.M.
LAST QUARTER.....	28d. 2h. 27m. P.M.	28d. 1h. 27m. P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.		
1	TH.	4 51	morn	6 10		4 55	morn	2 54		5 0	morn		
2	FR.	7 20	0 37	7 12		7 16	0 42	4 7		7 11	0 49		
3	SA.	4 53	1 34	8 15		4 57	1 39	5 13		5 1	1 46		
4	S	7 17	2 35	9 14		7 13	2 40	6 12		7 9	2 46		
5	MO.	4 55	3 40	10 7		4 59	3 44	7 4		5 3	3 49		
6	TU.	7 15	sets	10 54		7 11	sets	7 50		7 7	sets		
7	WE.	4 57	7 20	11 38		5 1	7 18	8 34		5 5	7 18		
8	TH.	7 12	7 44	.....		7 9	7 43	9 14		7 5	7 44		
9	FR.	4 59	8 8	0 32		5 3	8 8	9 51		5 6	8 10		
10	SA.	7 10	8 31	1 14		7 6	8 32	10 27		7 2	8 35		
11	S	5 1	8 56	1 54		5 5	8 58	11 0		5 8	9 2		
12	MO.	7 7	9 23	2 37		7 4	9 26	11 34		7 0	9 31		
13	TU.	5 3	9 53	3 22		5 7	9 57	.....		5 10	10 2		
14	WE.	7 4	10 29	4 10		7 1	10 34	0 15		6 57	10 40		
15	TH.	5 5	11 11	5 1		5 9	11 16	1 1		5 12	11 23		
16	FR.	7 1	morn	5 55		6 58	morn	2 0		6 55	morn		
17	SA.	5 8	0 1	6 50		5 11	0 6	3 13		5 14	0 13		
18	S	6 58	1 0	7 45		6 55	1 5	4 24		6 52	1 12		
19	MO.	5 10	2 5	8 38		5 13	2 10	5 25		5 16	2 15		
20	TU.	6 55	3 15	9 28		6 52	3 19	6 18		6 50	3 23		
21	WE.	5 12	4 28	10 17		5 15	4 31	7 7		5 17	4 34		
22	TH.	6 52	rises	11 5		6 50	rises	7 53		6 47	rises		
23	FR.	5 14	7 18	11 53		5 17	7 19	8 40		5 19	7 20		
24	SA.	6 49	7 50	0 15		6 47	7 52	9 27		6 44	7 55		
25	S	5 16	8 23	1 6		5 19	8 26	10 16		5 21	8 30		
26	MO.	6 46	9 0	1 57		6 43	9 4	11 9		6 41	9 9		
27	TU.	5 18	9 43	2 51		5 21	9 48	.....		5 23	9 54		
28	WE.	6 43	10 32	3 48		6 40	10 37	0 29		6 39	10 44		
29	TH.	5 20	11 28	4 49		5 23	11 33	1 38		5 25	11 40		
30	FR.	6 39	morn	5 52		6 37	morn	2 49		6 35	morn		
31	SA.	5 22	0 30	6 57		5 24	0 35	3 59		5 27	0 41		



SEPTEMBER

MOON'S PHASES.  
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

NEW MOON.....	5d. 5h. 44m. A.M.	5d. 4h. 44m. A.M.
FIRST QUARTER .....	13d. 10h. 2m. A.M.	13d. 9h. 2m. A.M.
FULL MOON .....	20d. 8h. 1m. A.M.	20d. 7h. 1m. A.M.
LAST QUARTER.....	26d. 11h. 39m. P.M.	26d. 10h. 39m. P.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.
		SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.			SUN R.& S.	MOON R.& S.		
1	S	5 23	1 33	8 0		5 25	1 37	5 1		5 28	1 43		
2	MO.	6 34	2 36	8 57		6 32	2 40	5 55		6 31	2 44		
3	TU.	5 26	3 39	9 47		5 27	3 42	6 42		5 29	3 45		
4	WE.	6 31	4 41	10 31		6 29	4 43	7 24		6 27	4 45		
5	TH.	5 28	sets	11 11		5 29	sets	8 3		5 31	sets		
6	FR.	6 28	6 36	11 48		6 26	6 37	8 38		6 24	6 39		
7	SA.	5 30	7 0	0 6		5 31	7 2	9 11		5 33	7 5		
8	S	6 24	7 27	0 45		6 23	7 30	9 42		6 21	7 34		
9	MO.	5 32	7 56	1 25		5 33	8 0	10 11		5 35	8 5		
10	TU.	6 21	8 29	2 6		6 19	8 34	10 41		6 18	8 39		
11	WE.	5 34	9 8	2 49		5 35	9 13	11 17		5 37	9 19		
12	TH.	6 17	9 54	3 35		6 16	9 59	.....		6 15	10 6		
13	FR.	5 36	10 46	4 25		5 37	10 51	0 24		5 38	10 58		
14	SA.	6 14	11 46	5 19		6 13	11 51	1 25		6 12	11 57		
15	S	5 38	morn	6 15		5 39	morn	2 40		5 40	morn		
16	MO.	6 10	0 53	7 12		6 9	0 57	3 53		6 9	1 2		
17	TU.	5 40	2 4	8 7		5 41	2 7	4 55		5 42	2 11		
18	WE.	6 7	3 17	9 0		6 6	3 19	5 49		6 6	3 22		
19	TH.	5 43	4 33	9 49		5 43	4 34	6 39		5 44	4 36		
20	FR.	6 3	rises	10 39		6 3	rises	7 27		6 2	rises		
21	SA.	5 45	6 19	11 27		5 45	6 21	8 15		5 45	6 25		
22	S	6 0	6 57	.....		5 59	7 1	9 4		5 59	7 5		
23	MO.	5 47	7 40	0 46		5 47	7 45	9 56		5 47	7 50		
24	TU.	5 56	8 28	1 39		5 56	8 33	10 50		5 56	8 39		
25	WE.	5 49	9 23	2 33		5 49	9 28	11 49		5 49	9 35		
26	TH.	5 52	10 23	3 30		5 53	10 28	0 25		5 53	10 34		
27	FR.	5 51	11 26	4 30		5 51	11 31	1 34		5 51	11 36		
28	SA.	5 49	morn	5 34		5 49	morn	2 42		5 49	morn		
29	S	5 53	0 30	6 37		5 53	0 34	3 46		5 53	0 39		
30	MO.	5 45	1 33	7 38		5 46	1 36	4 43		5 46	1 40		





## OCTOBER

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.	CENTRAL DIVISION.
NEW MOON .....	4d. 10h. 5m. P.M.	4d. 9h. 5m. P.M.
FIRST QUARTER .....	13d. 0h. 0m. A.M.	12d. 11h. 0m. P.M.
FULL MOON .....	19d. 4h. 35m. P.M.	19d. 3h. 35m. P.M.
LAST QUARTER .....	26d. 0h. 35m. P.M.	26d. 11h. 35m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.	
		SUN R.& S.	MOON R.& S.	Stand. Time.	Morning	SUN R.& S.	MOON R.& S.	Stand. Time.	Morning	SUN R.& S.	MOON R.& S.
1	Tu.	r5 56	2 35	8 33		r5 55	2 37	5 32		r5 54	2 40
2	We.	s5 42	3 35	9 20		s5 42	3 36	6 15		s5 43	3 38
3	Th.	r5 58	4 35	10 1		r5 57	4 35	6 53		r5 56	4 36
4	Fr.	s5 38	5 33	10 39		s5 39	5 32	7 28		s5 40	5 32
5	Sa.	r6 0	sets	11 16		r5 59	sets	8 1		r5 58	sets
6	Su.	s5 35	5 59	11 53		s5 36	6 2	8 31		s5 37	6 7
7	Mo.	r6 2	6 30	0 18		r6 1	6 34	8 59		r6 0	6 40
8	Tu.	s5 32	7 7	0 57		s5 33	7 12	9 27		s5 34	7 18
9	We.	r6 4	7 50	1 37		r6 3	7 55	10 37		r6 2	8 2
10	Th.	s5 28	8 40	2 19		s5 29	8 45	11 22		s5 31	8 52
11	Fr.	r6 7	9 37	3 5		r6 6	9 42	.....		r6 4	9 48
12	Sa.	s5 25	10 39	3 54		s5 26	10 43	1 3		s5 28	10 49
13	Su.	r6 9	11 45	4 47		r6 8	11 49	2 15		r6 6	11 53
14	Mo.	s5 22	morn	5 44		s5 23	morn	3 26		s5 25	morn
15	Tu.	r6 12	0 55	6 41		r6 10	0 58	4 26		r6 8	1 1
16	We.	s5 18	2 7	7 37		s5 20	2 8	5 21		s5 22	2 11
17	Th.	r6 14	3 21	8 31		r6 12	3 21	6 13		r6 10	3 22
18	Fr.	s5 15	4 38	9 24		s5 17	4 37	7 3		s5 19	4 37
19	Sa.	r6 16	5 57	10 14		r6 14	5 55	7 53		r6 12	5 53
20	Su.	s5 12	rises	11 5		s5 14	rises	8 44		s5 16	rises
21	Mo.	r6 18	6 16	11 54		r6 16	6 21	9 36		r6 14	6 27
22	Tu.	s5 9	7 11	0 28		s5 11	7 16	10 32		s5 14	7 23
23	We.	r6 21	8 11	1 20		r6 19	8 16	11 31		r6 16	8 23
24	Th.	s5 6	9 15	2 14		s5 8	9 20	0 14		s5 11	9 26
25	Fr.	r6 23	10 21	3 10		r6 21	10 25	1 20		r6 18	10 30
26	Sa.	s5 3	11 25	4 8		s5 6	11 28	2 25		s5 8	11 32
27	Su.	r6 26	morn	5 9		r6 23	morn	3 24		r6 21	morn
28	Mo.	s5 0	0 27	6 9		s5 3	0 29	4 17		s5 6	0 32
29	Tu.	r6 28	1 28	7 6		r6 25	1 29	5 3		r6 23	1 31
30	We.	s4 58	2 28	7 58		s5 0	2 28	5 44		s5 3	2 29
31	Th.	r6 31	3 27	8 45		r6 28	3 26	.....		r6 25	3 26



## NOVEMBER

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.	CENTRAL DIVISION.
NEW MOON .....	3d. 4h. 2m. P.M.	3d. 3h. 2m. P.M.
FIRST QUARTER .....	11d. 11h. 46m. A.M.	11d. 10h. 46m. A.M.
FULL MOON .....	18d. 2h. 33m. A.M.	18d. 1h. 33m. A.M.
LAST QUARTER .....	25d. 5h. 25m. A.M.	25d. 4h. 25m. A.M.

1918		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.	
		SUN R.& S.	MOON R.& S.	Stand. Time.	Morning	SUN R.& S.	MOON R.& S.	Stand. Time.	Morning	SUN R.& S.	MOON R.& S.
1	Fr.	r6 32	4 26	9 27		r6 29	4 24	6 20		r6 26	4 23
2	Sa.	s4 54	5 25	10 6		s4 57	5 22	6 55		s5 0	5 20
3	Su.	r6 34	6 25	10 44		r6 31	6 21	7 27		r6 28	6 19
4	Mo.	s4 51	sets	11 21		s4 54	sets	7 58		s4 58	sets
5	Tu.	r6 37	5 50	.....		r6 34	5 55	8 26		r6 30	6 1
6	We.	s4 49	6 37	0 32		s4 52	6 42	8 55		s4 55	6 49
7	Th.	r6 40	7 31	1 12		r6 36	7 36	9 29		r6 33	7 42
8	Fr.	s4 46	8 31	1 54		s4 50	8 36	10 9		s4 53	8 41
9	Sa.	r6 42	9 35	2 39		r6 38	9 39	10 54		r6 35	9 44
10	Su.	s4 44	10 42	3 27		s4 48	10 45	11 48		s4 51	10 49
11	Mo.	r6 45	11 51	4 19		r6 41	11 53	0 41		r6 37	11 56
12	Tu.	s4 42	morn	5 15		s4 46	morn	1 50		s4 50	morn
13	We.	r6 47	1 1	6 13		r6 43	1 2	2 58		r6 39	1 3
14	Th.	s4 40	2 13	7 9		s4 44	2 12	4 1		s4 48	2 13
15	Fr.	r6 50	3 27	8 4		r6 46	3 25	4 57		r6 42	3 24
16	Sa.	s4 39	4 44	8 59		s4 42	4 41	5 51		s4 46	4 39
17	Su.	r6 52	6 2	9 51		r6 48	5 58	6 43		r6 44	5 55
18	Mo.	s4 37	rises	10 43		s4 41	rises	7 35		s4 45	rises
19	Tu.	r6 55	5 51	11 35		r6 50	5 56	8 27		r6 46	6 3
20	We.	s4 35	6 56	0 11		s4 39	7 1	9 19		s4 44	7 7
21	Th.	r6 57	8 3	1 2		r6 53	8 7	10 12		r6 48	8 13
22	Fr.	s4 34	9 10	1 54		s4 38	9 13	11 9		s4 43	9 18
23	Sa.	r6 59	10 16	2 47		r6 55	10 19	.....		r6 50	10 22
24	Su.	s4 32	11 19	3 41		s4 37	11 21	0 55		s4 42	11 23
25	Mo.	r7 2	morn	4 36		r6 57	morn	1 53		r6 52	morn
26	Tu.	s4 31	0 20	5 32		s4 36	0 20	2 50		s4 41	0 22
27	We.	r7 4	1 19	6 25		r6 59	1 18	3 41		r6 55	1 19
28	Th.	s4 30	2 18	7 15		s4 35	2 16	4 27		s4 40	2 16
29	Fr.	r7 6	3 17	8 3		r7 1	3 14	5 11		r6 57	3 13
30	Sa.	s4 29	4 16	8 48		s4 35	4 13	5 49		s4 39	4 10
31	Su.	.....	.....	.....		.....	.....	.....		.....	.....





## DECEMBER

MOON'S PHASES. (In Standard Time.)					EASTERN DIVISION.					CENTRAL DIVISION.				
NEW MOON .....					3d.	10h.	19m.	A.M.		3d.	9h.	19m.	A.M.	
FIRST QUARTER .....					10d.	9h.	31m.	P.M.		10d.	8h.	31m.	P.M.	
FULL MOON .....					17d.	2h.	17m.	P.M.		17d.	1h.	17m.	P.M.	
LAST QUARTER .....					25d.	1h.	31m.	A.M.		25d.	oh.	31m.	A.M.	
1918														
LATITUDE OF BOSTON AND CHICAGO.					LATITUDE OF NEW YORK AND PHILADELPHIA.					LAT. OF WASH. GIN. & ST. LOUIS.				
Local Mean Time.					Local Mean Time.					Local Mean Time.				
Day of W'k.	SUN R.& S.	MOON R.& S.	Boston Tide.	Morning Stand. Time.	Day of W'k.	SUN R.& S.	MOON R.& S.	N. Y. Tide.	Morning Stand. Time.	Day of W'k.	SUN R.& S.	MOON R.& S.	Local Mean Time.	Morning Stand. Time.
1 S	r7	8	5 15	9 31	r7	3	5 11	6 25	r6	58	5	7		
2 Mo.	s4	29	6 13	10 12	s4	34	6 8	6 58	s4	39	6	3		
3 Tu.	r7	10	sets	10 54	r7	5	sets	7 31	r7	0	sets			
4 We.	s4	28	5 27	11 35	s4	33	5 32	8 3	s4	38	5	39		
5 Th.	r7	13	6 25	0 7	r7	7	6 30	8 34	r7	2	6	36		
6 Fr.	s4	28	7 28	0 48	s4	33	7 32	9 10	s4	38	7	37		
7 Sa.	r7	15	8 34	1 30	r7	9	8 37	9 49	r7	4	8	41		
8 S	s4	28	9 41	2 16	s4	33	9 43	10 34	s4	38	9	46		
9 Mo.	r7	17	10 49	3 3	r7	11	10 50	11 21	r7	6	10	52		
10 Tu.	s4	28	11 59	3 54	s4	33	11 59	0 20	s4	38	morn			
11 We.	r7	18	morn	4 48	r7	13	morn	1 24	r7	8	0	0		
12 Th.	s4	28	1 11	5 45	s4	33	1 10	2 32	s4	38	1	9		
13 Fr.	r7	20	2 24	6 42	r7	15	2 21	3 38	r7	9	2	20		
14 Sa.	s4	28	3 38	7 40	s4	33	3 34	4 38	s4	39	3	32		
15 S	r7	22	4 51	8 37	r7	16	4 46	5 36	r7	11	4	43		
16 Mo.	s4	29	6 3	9 32	s4	34	5 58	6 30	s4	39	5	53		
17 Tu.	r7	23	rises	10 26	r7	18	rises	7 22	r7	12	rises			
18 We.	s4	29	5 41	11 18	s4	34	5 46	8 13	s4	40	5	52		
19 Th.	r7	24	6 50	.....	r7	19	6 54	9 3	r7	14	6	59		
20 Fr.	s4	30	7 58	0 44	s4	35	8 1	9 52	s4	41	8	5		
21 Sa.	r7	26	9 3	1 33	r7	20	9 5	10 41	r7	15	9	8		
22 S	s4	31	10 6	2 22	s4	36	10 7	11 31	s4	42	10	9		
23 Mo.	r7	27	11 7	3 10	r7	21	11 7	0 15	r7	16	11	8		
24 Tu.	s4	32	morn	3 59	s4	37	morn	1 10	s4	43	morn			
25 We.	r7	27	0 7	4 48	r7	22	0 6	2 4	r7	17	0	6		
26 Th.	s4	33	1 6	5 39	s4	38	1 4	2 55	s4	44	1	3		
27 Fr.	r7	28	2 5	6 29	r7	23	2 2	3 46	r7	17	2	0		
28 Sa.	s4	34	3 4	7 19	s4	40	3 0	4 33	s4	45	2	57		
29 S	r7	29	4 3	8 9	r7	24	3 58	5 15	r7	18	3	54		
30 Mo.	s4	36	5 1	8 57	s4	41	4 56	5 57	s4	47	4	51		
31 Tu.	r7	29	5 55	9 42	r7	24	5 50	6 35	r7	19	5	44		

Cambridge.

Ther

Tuesday, Jan. 1, 1918

Wea  
Time.

Brilliantly clear, light northerly wind.  
Intense cold of last three day continues  
almost unabated. Ther. on north piazza  
fell to  $-9^{\circ}$  last night & did not  
rise above  $+8^{\circ}$  to-day. Fortunate are  
those whose water pipes remain unfrozen.  
Phelan is busy with them in upstair  
of 50 houses & Brook Bros. in Theron  
that number. Ours caught again last  
night in two places & burst in one.  
Ground thickly but uniformly covered  
with hard-frozen snows.

Garden birds. 6 Chickadees & 3 Crows  
visiting suet hanging in tree & shrubs  
close to Museum. A Jay screaming in  
jungle. 12+ House Sparrows taking  
bits of bread from clothes rack to class-

Spent most of day in Museum  
working on letters & copying bird notes.  
The Cobb-Fuller & Miss Mary Allen  
lunched with us at 1 P.M. and  
entered their names on first page of  
our new guest book. C. came down this  
evening to look at hall tree & listen to  
Victrola music until 8.30. E. sent  
card to me after that.



Cambridge

Ther - 5° + 8° Wednesday, Jan. 2, 1918 Wea Fair

Forenoon sunny, afternoon cloudy. Little or no wind. Air exceedingly chilly. Indeed it seemed 4 or 5 less out of doors than during recent periods of lower temperatures which within we are still forced to burn both wood and coal miserably in order to keep only moderately comfortable which even that cannot be achieved except in a very few rooms. Of these my Museum study is not one for its furnace register & fire place vent hood has failed to supply all the heat which was desired or even enough to spare for frequent shivering.

Garden birds. Several Chickadees; 20 + House Sparrows; a Crow & a Jay heard but not seen.

Spent day in Museum. Copied bird notes from Diary into Garden book & worked awhile on Cat article for Bird Lore.

Cambridge. Lowell Thompson & Charles F. Walcott Call on me Ther 4° + 10° Thursday, Jan. 3, 1918 Wea Dull.

Cloudy with chill easterly wind and a few snow flakes falling every now and then.

Garden birds. Several Chickadees - flitting through jungle. A dull-plumaged White-throated Sparrow, no doubt the self-same bird here all last month, was feeding on bread crumbs in our clothes yard this morning, with numerous House Sparrows. Crows are evidently hard put to it for food. I saw one on the snow-clad lawn this morning eagerly pecking at something. A single Jay in the jungle copied bird notes into Garden book in forenoon & worked on article for Bird Lore in afternoon.

My boy friends Lowell Thompson and Charles F. Walcott called in mid P.M. to report the finding of a Red-breasted Sapsucker's nest with 5 eggs, at Marblehead, last April (22d) & the common occurrence in Fitch P. Marshes last June of Sora & Ring-necked Pheasant & Bittern.



Marblehead nest of Red Crossbill Cambridge

Ther 0° 15° Friday, Jan. 4, 1918 Wea Fine

Brilliantly clear with fresh N.W. wind. Although scarcely less cold than heretofore the air was dryer & less chilly.

Garden birds: A screaming Jay and a few shivering House Sparrows were all I noted.

Worked all day on article for Bird Lore, advancing it considerably.

C. Motored in town at 10 a.m. to spend four or five hours in St Paul's Cathedral.

Doyle Thompson & Charles F. Walcott called at 4 P.M. bringing the Red Crossbill's nest, found last April at Marblehead, which they gave me. It is very like two nests from New Brunswick in my collection.

They also brought a short written account of their experience in finding it etc. which I shall send to the Auds for publication. They report seeing 8 or 10 swans flying low over Elmwood last Sunday.

Cambridge.

Ther 10° 22° Saturday, Jan. 5, 1918 Wea Fine

Clear with rising temperature of little avail, however, to offset the discomfort of a violent N.W. wind.

Garden birds: 3 or 4 Chickadees, a few House Sparrows, two Crows eager enough to peck at fish heads nailed to a plank on the lawn yet too suspicious of bounty to be disposed for their especial benefit to take any advantage of it.

My day was spent in the Museum where I worked steadily at my writing & made rather good progress with it despite continued & distracting trouble with the eyes.

We had the usual evening bracelet concert & reading aloud in the hall with C. this part of the time.



Cambridge

Ther  
12° - 26°

Sunday, Jan. 6, 1918

Wea  
Perfect.

Cloudless almost windless and comparatively mild - or, at least, so it seemed after the excessive cold of the past night days. Snow blowing a little in sheltered sunny places and tiny rills of water trickling over stone or brick sidewalks.

Garden birds 4 Chickadees at suet, 12 Starlings trying to eat Peck-nuts apples but kept from doing so by my jerking, every now & then, at a cord now strung from Museum window to top of tree; a screaming Jay; several House Sparrows.

After writing several letters in Museum I walked up Brattle St. at noon, returned with Woodward Emery, called on Walter Dean (now nearly well again) & finally on Mrs. Dean. We had at dinner Mrs. Garder, Mrs. Fink & Miss Allyn. C. down to greet them. Allyn came before they left & Harry Brattle to pass the evening.

Cambridge

Ther

Monday, Jan. 7, 1918

Wea  
Stormy

A dismal day, dark cloudy with incessant icy rain freezing to whatever it happened to strike and rendering streets & sidewalks too slippery to be trodden on without the greatest caution.

Garden birds. Several Chickadees coming to suet; a few House Sparrows in clothes yard; nothing else noticed until shortly after sunset when a White-throated Sparrow chirped for half a minute or more in garden. I was outside my study window.

Devoted entire forenoon to making out chapters for bills, afternoon to working on bird notes & other M.S.

Judge Ferry read a paper on Monaghan birds at Natural Club meeting this evening. Only eight members attended it - according to Percy. I failed to do so, because worn out by two sleepless nights.



Cambridge

Ther  
26°, 33°

Tuesday, Jan. 8, 1918

Wea  
Dull.

Cloudy, calm, comparatively mild but very chilly. Snow softening a little although still covering roof & sidewalk alike.

Garden birds. Several Chickadees, a dozen Starlings, a few House Sparrows & a singing Crow.

Worked on bird m.s. in forenoon. Ostrum Bangs came to lunch with us at 1. He & I spent afternoon in Museum, looking at bird skins. I gave him (for M.Z.C.) two St. Lawrence Sparrows, a Red-headed Tanager from Mexico & a handsome but green-blained Snowy Heron. After the light failed we sat talking by the fire for an hour or so longer. I enjoyed it greatly. He has persuaded me to name & describe an eastern form of Houston's Sparrow - very unlike the typical bird.

Cambridge

Ther  
10°, 18°

Wednesday, Jan. 9, 1918

Wea  
7 mi

Clear and cool with brisk N.W. wind. Skippers walking still.

Garden birds. 2 or 3 Chickadees coming to the seat; a few House Sparrows visiting clothes yard; a C. Flicker and 12 Starlings feeding together on Postman apple.

The Houston Sparrow article suggested yesterday by Ostrum Bangs was begun this morning. Having no thought of writing more than enough to fill half a page or so I had hoped to finish with it by nightfall but this has not been accomplished.

Miss Chiefman lunched with us.

Gilbert is now going through the collection in search of Anthracis & other insect pests. Thus far he has found traces of them in three cans only.



# Cambridge

Ther  
18° 26

Thursday, Jan. 10, 1918

Wea  
Fine

Clear & cool with fresh westerly wind.

Garden birds. 2 Chickadees,  
8 Starlings, a few House Sparrows  
and an unseen but plainly heard  
crow. The Starlings were feeding  
in Parلمان apple tree from which  
I drove them repeatedly by jangling  
the string tied to one of its topmost  
branches. Whenever this is done  
they dash off at once but soon  
return. The stuffed cat has not  
been tried again. & late

Worked all forenoon on transformer  
of bird notes from Diary to Garden  
books, finishing the task just  
before going in to luncheon.

Devoted most of afternoon to  
Henslow Sparrow article, thereby  
advancing it somewhat.

Townsend called about 5 P.M.,  
to spend an hour or so.  
C. motored in town to see Dr. Cherry  
- this forenoon.

# Cambridge.

Ther  
15° 28°

Friday, Jan. 11, 1918

Wea  
Fine

"Weather breeder" kind of day,  
cloudless, windless; no more than  
seasonably cool and quite devoid  
of penetrating chill. Although  
slighing conditions continue  
simply perfect I see only an  
occasional pung or farmer outfit  
on runners - and have not set  
eyes on a really well appointed  
proper sleigh, all winter. Such  
a Turnout has, indeed, nearly  
not quite ceased to exist, hereabouts.

Garden birds: Two Chickadees;  
a screaming Jay; two Starlings.  
The last named birds have  
well nigh ceased to visit the  
Parلمان apple tree, no doubt  
because of my tending the string  
attached to it.

Worked all day on Henslow Sparrow  
article thereby almost completing it  
I trust.



## Cambridge

Ther 48° May Saturday, Jan. 12, 1918 Wea. Various

Forenoon dark cloudy with incessant heavy rain which flooded streets & sidewalk with slushy water. Afternoon sunny calm & delightfully mild.

Garden birds. Two Chickadees, a Jay, 2 Starlings and a flock of 8 Cedar Waxwings. The last named birds appeared about 9.30 a.m. in the Parkman's apple tree when they remained for half an hour or more eating its still abandoned fruit. They were all looked uncommonly dull colored at least as observed by me through an opera glass & the Museum window.

My forenoon & late afternoon were devoted to the Henslow Sparrows article, not even yet completed. The mid afternoon to evening my hair cut at Marks in Harvard Sq. which swarmed with young men in khaki & Naval uniforms. Usual evening reading & tea. Music with C. down in front hall until 9 P.M.

## Cambridge

Ther 12° Sunday, Jan. 13, 1918 Wea. Fine

Cloudless and cold with brisk northerly wind and everything frozen light again. Three daylight readings of Ther. on back piazza gave 12° at 9.30 a.m.; 10° at 1.30 P.M.; 10° at 4.30 P.M. It is rare often at any season that the temperature varies so slightly during practically the whole of a cloudless day.

Garden birds. One cock House Sparrow - literally nothing else wearing feathers & set eyes on by me.

I was about to begin letter writing in Museum at 10 a.m. when Harry Spelman appeared with various dealers catalogues of garden vegetable seeds. We spent remainder of forenoon making selections fr. them for spring use.

Besides Miss Allyn & Walter Deane we had at dining Johnny Ames who brought his entire collection of war trophies & talked most interesting about them.



Squirrel eating ice. Cambridge

Ther 10° 20° Monday, Jan. 14, 1918. Wea Fair  
Total absence of bird life. Fair  
Sun shining somewhat dimly  
through overhead mists or haze.  
Clouds gathering in late P.M.  
Moderately cold. Little or no wind.

Garden birds. Not one seen or  
heard. Such apparent total absence  
is quite without precedent here, at  
any season, within my knowledge  
and recollection.

I did see a Gray Squirrel sitting  
perched on the Museum roof holding  
between his fore paws - as all  
Squirrels hold nuts - a thick cake  
of ice two or more inches square  
from which he was biting off  
good-sized fragments & eating them  
with apparent relish.

Worked all day on Henslow's  
Sparrow article at length certainly  
almost ready for publication.

Mr. Place telephoned this noon that  
"Spencer, Henry's H's sister, died at  
Wellesley yesterday morning. I have  
just sent Mr. H. letter to Henry urging  
him to remain in N. where he is  
now ill with 9 efflu

Cambridge Will Thayer calls on us.

Ther 40° max Tuesday, Jan. 15, 1918. Wea Stormy

Dark cloudy. Snowing fitfully  
in forenoon. Much of what fell  
then was washed away but a  
following rain which lasted through  
the afternoon. Altogether a dismal day.

Garden birds. 2 Chickadees,  
3 Starlings. A solitary Jay.  
What can have become of the  
House Sparrows? I see none now.

Spent most of forenoon in  
Museum working on Henslow's  
Sparrow article. Finished it  
just before lunch, after which  
Gilbert began copying it with  
his type writer. I, meanwhile  
was at work on the "Blanchet  
Cat" article.

Will Thayer, just returned  
from Russia, surprised & delighted  
us by a brief call in late P.M.  
I saw him in his room, I in lower  
hall with E. R. S. He looked very  
calm & serene. What he said about Russia  
was interesting.



Cambridge

Ther 20°, 26° Wednesday, Jan. 16, 1918 Wea Fine  
Interesting Flicker.

Cloudless & almost windless - with bright sunshine but frosty air.

Garden birds. 2 Chickadees in lilacs; a Jay in Catalpa; a Starling in Parkman apple; a Flicker on trunk of Sycamore pear tree which he had evidently just begun to denude of bark, after the usual practice of such birds in winter. When I first noticed him, however, he was clinging motionless as if absorbed in reverie, and remained so for the next five minutes. His rufous breast showed conspicuously as a broad V-shaped patch yet was really "concealing" because looking so like an exposed spot of reddish inner bark.

Spent day in Museum working ceaselessly despite vile headache. Finished Henslow Sparrow paper & sent it to Bangs. Also copied "Blameless Cat" story not as yet quite complete.

Delightful evening in hall with every member of family (including dogs) about open fire. Great fire. Music & reading abundant.

Cambridge

Ther 17°, 28° Thursday, Jan. 17, 1918 Wea Dull

Dark cloudy and very chilly but almost windless. Scattered snow-flakes every now & then. Light fall of snow (2 or 3 inches) last night.

Garden birds. 2 Chickadees, a Flicker and 8 Starlings (in Parkman apple tree). The Flicker spent ten minutes or more on surface of snow beneath apple tree picking up & eating fruit that had fallen there. There seems to be plenty of it still adhering to the tree, however.

My day mostly spent in Museum working on "Blameless Cat" story, thereby finished. C. & the rest heard it read aloud & seemed to think it entertaining. I shall offer it to Chapman for "Bird Song".

C. went to town by motor this forenoon to see Dr. Channing. He reports her eyes no worse. Dr. Stevens thinks her general condition much better. She was with us in lower hall this evening.



Cambridge

Ther  
16° 30

Friday, Jan. 18, 1918

Wea  
Fine

A weather-breeding kind of day, dead calm, absolutely cloudless, with clear, if pale, sunlight and just agreeably frosty air.

Garden birds. A light-colored Shrike; presumably *borealis*, perched in one of the large apple trees on edge of jungle, where "at least eight" Chickadees were flitting as close about it as they dared, uttering excited cries. All this seen by Gilbert and Percy. I was in a room at the time (2.15 - 2.30 P.M.). Percy says the Shrike was singing freely all the while.

Working in Museum most of day, on notes relating to nest of Red Crossbill, found at Marblehead. List April by Carroll Thompson & Charles F. Waller. This will be sent to the Museum for publication. It is now finished and not type ready.

Cambridge

Ther  
22° 28°

Saturday, Jan. 19, 1918

Wea  
Dull.

Dark cloudy and very chilly but not cold. Snowing over night and fitfully all day. Not more than an inch or two came altogether. Perfect road conditions for sleighing & motoring alike. Burbank reports pond in Berry Pasture at farm frozen to bottom in places. Ice 22 inches thick, he says. I have never known that happen before.

Garden birds. A Chickadee - nothing else.

The Butcher bird seen by Percy yesterday was perhaps the self-same one said to be haunting the old Wymen place, Spaulds Street, of late. If so his presence may have had much to do with the recent total disappearance of House Sparrows from our neighborhood.

Writing all day in Museum mostly on *Contopus M.S.* Did not accomplish much.

E. kept in her room. I read aloud to her this evening.



Cambridge

Ther  
6° 14°

Sunday, Jan. 20, 1918

Wea  
Fair.

Sun shining rather dimly  
from a somewhat overcast sky.  
Air crisp & almost windless.  
Altogether are average winter day.

Garden birds. 4 Chickadees  
together at Suet hanging in  
catalpa by Museum.

Two of our Museum Left Fantails  
have laid their first 1918 eggs &  
are sitting on them. The only two  
left at Concord died about the  
last of December during - and no  
doubt because of - the intense  
cold weather at that time.

Spent forenoon & late afternoon  
in Museum writing letters.

Miss Allie our only guest at  
dinner although there was a  
Concord Turkey served.

C. conferred to her room again  
by a slight bit back.

Cambridge

Ther

10° 26°

Monday, Jan. 21, 1918

Wea  
Fine -

Instantly clear with calm,  
fresh air.

Perfect sleighing but only a few  
fringe out to take advantage of it.

Ground uniformly covered by  
about 4 inches of snow, solidified  
by combined action of recent rains  
& frosts. The sun has scarcely  
availed to soften it any where  
in the past month or more.

Garden birds. Several Chickadees  
visiting the Suet. Noted nothing  
else.

Batchelder & Bangs arrived  
soon after breakfast to spend a  
long forenoon looking over my  
New England <sup>birds</sup>. Of these they selected  
series of several species to  
compare at Mus. C. Z. with  
Newfoundland material on which  
they are at work.



# Cambridge

Ther 12° 28° Tuesday, Jan. 22, 1918 Wea Dull.

Dark cloudy with some trifling snow fall in P. M. & evening

Garden birds, 2 or 3 Chickadees and a couple of Crows. I failed to note anything else.

Resumed work on Amboj Introduction this morning and kept at it steadily all day, despite eye trouble difficult to disregard. Why this task should have become so impossible of satisfactory accomplishment I fail to comprehend. That I try too hard to achieve something approximating literary perfection is probable yet without such a standard to bear ever in mind I should soon lose all interest in the work.

# Cambridge

Ther 11° 22° Wednesday, Jan. 23, 1918 Wea Fine

Brilliantly clear with cold & blustering N. W. wind. Yesterdays snow fall added some two inches to what had come & remained unsettled before. Altogether it is now perhaps 5 inches deep.

Garden birds: 2 Chickadees, a ♀ Flicker eating Parkman apples, 10 or 12 Starlings similarly employed & a Crow perched low in Jungh.

Spent most of day in Museum working on Amboj m.s. without much success.

For first time this winter, attended a "We Dine" - at Spelman. Everyone there except Barbour. Rackerman photographed us by electric light - very trying to eyes. I read "Blameless Cat" story - well received. Home by 11:15, rather used up.



Cambridge

Ther 6°, 20° Thursday, Jan. 24, 1918 Wea Fine

Clear and cold with fresh northerly winds.

Garden birds; A ♂ Flicker in Parkman apple tree; Chickadee heard.

An interrupted day devoted mostly to various routine duties such as writing letters & cheques. Some time was also given to working on the baggy manuscript.

Smith Dexter lunched with us and afterwards spent reports of an hour with me in the Museum. He has just finished a full month's service as Chaplain at Ayer military encampment. His account of it is most interesting and altogether favorable. He reports abundance of coal at Concord.

Cambridge

Ther 17° 2° Friday, Jan. 25, 1918 Wea Dull

Dark cloudy and intensely chilly with only just enough snow fall to whiten surfaces previously kept clear from it (ice plants & etc.).

Garden birds. A Jay screaming somewhere not far off; 6 or 8 Starlings feeding on Parkman apples until driven from the tree by my jerking a cord attached to it.

A day of literary accomplishment unusual in my experience. In the forenoon I began & finished a short article for the Ark (merely a few notes relating to a shifting of names for the Northern Parula (Warbler); in the afternoon a full page of manuscript that required no copying was written for my "Sunday School" class. C. with us at table & in hall, this evening. Usual vic music & reading aloud.



Cambridge

Ther  
18°, 24°

Saturday, Jan. 26, 1918

Wea  
Perfect

Brilliantly clear & wholly  
cloudless skies, bright sunshine,  
almost no wind. Altogether a  
very perfect & frosty early  
mid-winter day.

Garden birds: 4 Chickadees visiting  
us; 1 Starling in Parkman  
apple tree; Crow carrying sparrows.

Working all day on the biography  
M. S. Compiled for it a short  
account of David Robbins  
(alias "Sam Gurney"); and the  
"Lost Child" James Wilbur.

Dick Dana called in late  
P.M. We talked for half an hour  
or more by the Museum fire.  
He has been at Fort Sheridan  
& Plattsburgh recently & testifies  
favorably as to efficiency in  
both camps.

Cambridge

Ther  
4°, 15°

Sunday, Jan. 27, 1918

Wea  
Fine

Another day of brilliant sunshine  
and windless, frosty air, although  
colder than yesterday it did  
not seem so.

Garden birds, 4 Chickadees at  
suet; 1 Flicker on trunk of  
sickle pear tree. 2 Jays in  
jungle.

I have seen no House Sparrows  
about the place for two weeks.

Harry Spelman spent most of  
forenoon with me in Museum.  
Coming, he said, chiefly "to  
get warm", their fuel supply having  
run low.

Miss Jenny Chapman, Miss Allyn,  
Alice Stone, Frank Manning &  
Harry Bartlett were with us at  
dinner. Frank & Harry stayed on  
until 4.30. After that I wrote for  
two hours. G. spent evening  
with us by hall fire.



Cambridge

Ther  
2° 10°

Monday, Jan. 28, 1918

Wea  
Dull

A very dreary winter day,  
dark cloudy and intensely  
chilly, as well as cold, with  
snow flakes falling every now  
and then - to no more than  
whisker than boys' walks, however,

Garden birds. Altogether  
absent, apparently, for not  
one was either seen or heard  
by me.

I worked all day on Umbagog  
manuscript, finishing a brief  
account of David Robbins's  
extraordinary career and  
beginning one relating to  
E. A. Samuels's field experience  
at the lake, which was now  
quite completed.

The morning's mail brought me  
a delightful letter from my  
old-time friend, Herbert Gardner  
of whom we have heard nothing for  
many a more year.

Cambridge

Ther  
10° 2°

Tuesday, Jan. 29, 1918

Wea  
Fine

Early morning cloudy. After that  
glad sunshine streaming down  
with windless & only moderately  
frosty air.

Garden birds 4 Chickadees in lilacs;  
4 Starlings eating P. apples; a  
jay screaming in jungle.

My forenoon devoted to  
writing letters. Miss Hornum  
& Miss Harkness with me  
at luncheon. Miss Harkness  
left, shortly after it, because  
of illness said to be an overcoming  
cold. Fortunately, C. is better able  
to get along without her now  
than she would have been  
earlier in the winter.

She spent her evening with  
us & the dogs by a blazing  
wood fire in the lower hall  
where I played Ecobola game  
and E. R. S. read Richard Harding  
Davis's delightful "Life & Letters".



Cambridge

Ther 10°, 20° Wednesday Jan. 30, 1918 Wea Dull.

A sunless, windless and intensely chilly day not unlike many another experienced of late. Ground now buried beneath 7 or 8 inches of snow rather more than half of which came night before last.

Garden birds. 2 Chickadees at suet; a distant-cawing crow & nearby - screaming Jay; 3 House Sparrows in clover yard; the first seen anywhere hereabouts for upwards of two weeks.

Worked all day on Unhappy Introduction composing for it a few lines relating to books written by Samuels & "Captain" Farrar.

Cambridge

Ther 3°, 20° Thursday, Jan. 31, 1918 Wea Dull.

Thin cloudy (with some sunshin in late P.M.), calm, cold & very chilly.

Garden birds: Only 2 or 3 dejected looking House Sparrows.

Spent day in Museum but wrote only a few letters. Eyes very troublesome & apparently getting worse steadily. None of my spectacles or other glasses are any longer of much use. Hence the brevity of this diary entry.

Evening in hall with C., E. R. S. & the two dogs. Victrola music & reading aloud from R. H. Davis book. Miss Handus still in Boston but expected to return soon.



Cambridge.

Ther 4°, 20° Friday, Feb. 1, 1918 Wea Fine

Clear, calm & cold. Less chilly than yesterday. No change in snow conditions. Excellent sleighing still with a good many pungs running through Brattle Street. Almost no one hereabouts has much coal yet everyone seems to be getting enough to keep reasonably comfortable.

Garden birds. A ♀ Robin & 7 Starlings in Parkman apple tree at 3 P.M. A Jay heard screaming in jungle.

The Henry F. Tarrow Co. sent a man this morning to estimate cost of wiring 2 Rindell Avenue for electric lights. I spent most of forenoon with him & Mr. Bruce there. Wrote a little in P.M. Eyes behaving somewhat better but still useless for reading fine print.

Cambridge

Ther -8°, +20° Saturday, Feb. 2, 1918 Wea Fine

Mist and cold but not chilly. Light westerly wind.

Garden birds. 2 Chickadees; a Jay; a Starling and a Flicker together in Parkman apple tree; a Crow heard cawing faintly.

Spent most of day in Museum writing letters & charges for bills.

Started for a walk up Brattle Street from my car location but went no farther than a population street because of darkness & darkness. I felt as if I were a blind man, my eyes, also, were exceedingly troublesome. Today is very feeble & we are suffering, also. Mr. C. continues to improve & comes down stairs freely.



# Cambridge.

Ther 28° Sunday, Feb. 3, 1918 Wea Stormy

Cloudy with light, intermittent snow-fall, totaling no more than an inch or so.

Garden birds: 2 Chickadees, a Flicker, a Jay & a Crow.

Worked on Introduction this forenoon, copying & recopying material copied and so forth or more ago.

Spent most of afternoon with the Spelmans, by their library fire. Called on a group of friends & stayed there only a few minutes as they were about to have an early supper. Allyn our only dinner guest.

Evening spent as usual, in hall with record music etc.

# Cambridge.

Ther 8°, 15° Monday, Feb. 4, 1918 Wea Fine

Cloudless with strong westerly wind and dry, breezy, cool air.

Garden birds. A Chickadee, a Jay & a Starling.

Forenoon devoted to answering letters, including one from Herbert Gardner accompanying a copy of his book "Can Duck Shooting Kill Me?" This I am reading at odd times & with much interest.

Working on Introduction in P.M. Recast & recopied two pages. Somehow I can not get on with it.

Evening spent in hall with C., E. R. S. & the two dogs. House barely comfortable & that only near an open wood fire.



House fire on Brattle St. Cambridge.

Ther Tuesday, Feb. 5, 1918 Wea  
- 10°, 0° Inter cold. Fine

Brilliantly clear with strong N. W. wind. Coldest day but one (Dec. ) of entire winter thus far. - 10° sometime last night, not above 0° at any time to-day.

Garden birds. Chickadee, Jay & Flicker heard. Nothing wearing feathers seen.

Forenoon devoted to writing letters & cheques for bills.

Shortly after luncheon a fire broke out in attic of Endicott house, Brattle Street. I got there a few minutes later. Street already crowded with engines, fireman & onlooking people including many neighbors. Flames & smoke issuing from every part of roof. Firemen worked systematically if rather slowly, & soon had two lines of hose playing inside garage. Fire wholly out by 4 P.M.

Cambridge Charles E. Payson's diary.

Ther Wednesday, Feb. 6, 1918 Wea  
- 3° + 30 Dull

Clouds with snow flurries falling now. The morning calm, still a little warmer than yesterday, but clear of every ice. Ice cold snap thus maintained has been in some aspects more trying than the December one. Nantucket Sound said to be frozen over. Toronto reports ice floes covering ocean almost as far as eye could reach. Last Sunday, off Cape Cod. We could see no open water of much extent save on horizon where the ground is a blue line.

Very little. A few birds seen. Flicker & Jay heard. No snow on ground, much snow on roofs.

Spent 20 min. in Museum looking at skeletons. Found many interesting things. Progress with the new collection. Very much to be done. I am sure it will be a great success.



G. went in town this morning  
to see Dr. Cherry & returned  
much depressed by his admission  
that there "has been serious loss  
of eyesight within past nine months,  
or more to that effect. Betty's death  
has, of course, been an added &  
indeed, crushing blow. Henry, too,  
is pathetically broken & feeble."



Cambridge

Ther 12° 26° Saturday, Feb. 9, 1918 Wea Stormy

Dark cloudy and intensely chilly with alternating snow and sleet, the total accumulation of which is not more than four inches in depth. Many of the snow flakes falling between 1. & 2.30 P.M. must have averaged three or four inches in length by an inch or two in breadth. They came thick & fast at times reminding me of so many down-sweeping Swallows as I watched them from C's Chamber windows. No others approaching them in size have ever been seen by me before.

Garden birds. 2 Chickadees, 1 Jay.

Fortieth anniversary of G. & my wedding day. We spent part of it together in her Chamber & the evening by hall fireside. I worked several hours on the bagging M.E.

Cambridge

Ther 20° 28° Sunday, Feb. 10, 1918 Wea Dull

Thin cloudy with occasional snow flurries

Garden birds. 2 Chickadees, a Jay and a Crow.

Writing letters in forenoon. C. went in town to sermon at St. Paul's. Loring Fuller accompanied her & was our only dinner guest, Miss Allen being confined to her room by a slight illness.

Dr. Stevens came at 3 P.M. to give me a thorough physical examination. It revealed nothing wrong with heart, lungs, kidneys or blood pressure. He therefore concludes that almost, if not quite, all my present "aches & ails" - including eye-troubles, even - must be due to indigestion.

Called on the Almys 6-6.30 P.M. Usual family gathering in hall this eve.



Cambridge.

Ther 18° 34° Monday, Feb. 11, 1918 Wea Fair.

Partly cloudy, mostly sunny but very heavy. Light westerly breeze.

Garden birds. 2 Chickadees & a Jay. Crow cawing in distance.

Spent most of day in Museum, working on Introduction and recopying parts of it, for not less than the twentieth time. At this rate, it might occupy me for a lifetime equalling in length that ascribed to Metamorphosis.

Walked up Brattle St after luncheon. Carpenters re-roofing Endicott house so damaged by recent fire. Snow now about a foot in depth & covering uniformly every square yard of street, sidewalk & city lawn. It has not melted much anywhere for weeks.

Cambridge. Mid-winter thaw.

Ther 30° 41° Tuesday, Feb. 12, 1918 Wea Dull.

Thin cloudy with some brief intervals of sunshine & little or no wind.

First real thaw since December last. Snow melting rapidly in city streets. Rising temperature an unspeakable relief to those of us who have found recent unprecedented cold so very hard to bear. It is most welcome also to the many ill-supplied with fuel still.

Everyone agrees that winter so severe and depressing has ever come & gone within his or her recollection.

Garden birds. 2 Chickadees & a Jay.

Working almost all day on Embargo M. S. & still gathering notes on Introduction & Prologue.

Walked up Brattle St. as far as Elmwood, some after luncheon.



Cambridge

Ther 30°, 46° Wednesday, Feb. 13, 1918 Wea Fair

Mostly sunny despite a partly overcast sky. Almost or quite windless and very mild. Brattle Street gutters brim-full with rapid flowing snow water which also overspread bordering sidewalks in many places. No bare ground as yet except in central portions of much traveled city streets.

Garden birds. Chickadee & jay heard. Crow seen flying over

Devoted entire day to work on Ambages Preface, thereby bringing it somewhat near completion. Gilbert type-copied "Saint Gurley" story, compiled by me a week or two ago from a reprint in Maine words.

C. attended morning service at St. John's. I walked up Brattle & down Highland St. after luncheon, meeting & talking with Carruth but encountering no birds save a few House Sparrows in Sam Henshaw's yard & near

Cambridge. First Spring bird-voices

Ther 24°, 40° Thursday, Feb. 14, 1918 Wea Fair

Calm, mild & thin cloudy with some pale sunshine. City gutters again filled brimfull with snow water & sidewalks flooded here & there. Bare ground beginning to appear on southern-facing slopes.

Garden birds. A Chickadee & a jay. The former was uttering its Phoebe notes at 9 a.m. Coming from somewhere in the lilacs they were repeated many times & seemed very good to hear.

Nothing else heard at 9 a.m. but at 10 a.m. a jay was heard to utter its "jay" note. This was also repeated many times & seemed very good to hear.

Walked up Brattle St. to Elmwood & back thru St. John's St. & back to Brattle St. at 11 a.m. saw a jay & a chickadee. The jay was heard to utter its "jay" note. This was also repeated many times & seemed very good to hear.



Cambridge.

Ther  
5.2° may

Friday, Feb. 15, 1918

Wea  
Lull

Early morning rainy. Rest of day  
calm & very warm for season.  
Snow almost wholly gone and ground  
bare in places but mostly covered  
with a thin layer of snow. In a week  
ago the snow was 12 inches deep &  
by then it was 18 inches deep. Very warm  
today. A fine day for the season.  
The weather is much better for  
the season. The weather is much better  
than it was a week ago. The weather is  
much better than it was a week ago.

I have been thinking of you a great deal lately. I hope you are well and happy. I have been very busy lately, but I have managed to find some time to write to you. I have been thinking of you a great deal lately. I hope you are well and happy. I have been very busy lately, but I have managed to find some time to write to you.

Cambrid.

Ther  
180

Saturday, Feb. 16, 1918

Wea

I am very sorry to hear  
 that you are ill. I hope  
 you will get well soon.  
 I am very sorry to hear  
 that you are ill. I hope  
 you will get well soon.

The really happy education of  
 the people is the first thing  
 the Government should do.  
 It is the only way to  
 make the people good and  
 the country great.  
 The people are the  
 foundation of the nation.  
 If they are educated,  
 the nation will be strong.  
 If they are ignorant,  
 the nation will be weak.  
 Therefore, the Government  
 should spend money on  
 education.



Cambridge.

Ther  
18°, 26°

Sunday, Feb. 17, 1918

Wea

Cambridge - Boston.

5 Ther 30

Monday, Feb. 18, 1918

Wea

I, J. H. Hall, do hereby certify that the above is a true and correct copy of the original as filed in my office.

*[Faint handwritten notes at the bottom of the page]*

I tried a ... ..  
 in ... ..  
 with some ... ..  
 ... ..  
 ... ..  
 ... ..  
 ... ..  
 ... ..  
 ... ..

West - Glen is, Sunday, when  
 saw the day, and thing to do,  
 getting the boat, the reading one  
 Glen & open only when one  
 is to be used to it is a  
 for the work. thing to do after that  
 I had, signed a book to be  
 given at a printing, in the top  
 of the book, a long, a printed  
 in the book, mainly brought in the  
 in the book, in the book, in the  
 in the book, in the book, in the



# Cambridge

Ther Tuesday, Feb. 19, 1918 Wea  
54° max. Stormy

Dark - lowering skies, incessant rain and gusty southerly wind combined to make the day dreary but also to free city streets, sidewalks & lawn from almost all snow & ice so long encumbering them.

Some birds at the Kade front all day - and some Crows seen high in air so all I noted

Working all day on copy of 8, re-writing several pages of the copy book compared several small letters copied for the rather really with the "no" type for the machine.

Walking down Craigie St. in Berkeley, after luncheon. This morning is distressing me with breath etc. As I was down the street I saw a man called out to me, saying some words which I could not hear. I was in a hurry and did not stop.

# Cambridge

Ther Wednesday, Feb. 20, 1918 Wea  
50° max. Fair

A March-like day, with brilliant sunshine and warm air. The wind is cool & violent. It is a day of comparative little snow or ice passing the clouds. Everything looks as if it were a spring. The weather is very pleasant. The snow has melted. The ground is a brown green. The trees are in bud. It is a good day for life in the city.

Garden birds: none whatever. None attracted my notice.

Working all day long at my customary task, together with some necessary correspondence. Walked up Branch St. to Rayer main street after luncheon. It was then frostily cold as well as very blusteringly windy. Because, perhaps, of these conditions the shortness of breath & general debility affecting me of late were more distressing than ever. I was finally overcome.



Cambridge

Ther 5°, 10° Thursday, Feb. 21, 1918 Wea Fine

Winty conditions back again.  
Intense cold, accompanied by violent  
N. W. wind, and but slightly  
improved by bright sunshine from  
A. towards P.M.

Garden birds: I noted only one,  
a Chickadee, as long as I could  
hear. Several others were also seen.

Work on Umbagog M.S. all day.  
Through a rainy day. As  
therefore it was confined to  
revising matter completed for it.  
In a season several years ago  
some of this work would be enough  
but much has to be completely  
changed & perhaps the whole.

Our evening readings have  
been devoted of late to Melville's  
"Typee" a delightful story only  
brought to my attention recently  
by Roland Thaxter.

Cambridge

Ther 6°, 16° Friday, Feb. 22, 1918 Wea Dull

Dark cloudy and very chilly as  
well as cold yet without much wind.  
Bright snow fall in P.M. - some-  
times whitening the ground when night  
fell in.

Garden birds, a Northern Shrike,  
2 Blue Jays & a Flicker. Perhaps  
I should add to this list a  
House Sparrow, for the Shrike was  
busily employed devouring one  
when Percy drew my attention  
to him. He was then low down  
in a Syringa bush growing close  
to our kitchen door when Percy &  
I approached him within three yards  
or less. I then saw that he was a  
rather dull-plumaged Butcher Bird.  
Shortly after this he disappeared into the  
jungle or beyond with the bird in  
his bill. It is the only one that  
has been seen hereabouts in Feb. 8.

Spent much of day in the garden  
writing letters & clearing up the house.



# Cambridge

Ther 20° 30° Saturday, Feb. 23, 1918 Wea Fine

Clear & cold but almost windless.  
Everything whitened by an  
inch or so of fine, dry snow  
that came yesterday.

Had a birds: Chickadee heard,  
Crows do. Gatter met with in  
great numbers in Babine Park etc.  
15 yesterday, by H. M.  
Johnson who has been  
seen 250 birds in all,  
I should like to know what  
so many can find to eat.

A rather unproductive day. Read  
through 1 vol of "Lubago" 1-5  
for Preface & Introduction. It  
wonderfully needs much further  
revision & a lot of superficial  
matter should be eliminated.  
Wrote letters in P.M.

C. went in town to see Dr. Cheever &  
He at home evening in his room  
by reading types.

# Cambridge

Ther 42° max. Sunday, Feb. 24, 1918 Wea Fine

Clear, calm & springlike.  
Recent falling snow all gone &  
nearly so.

Garden birds. Northern Shrike  
singing in jungle at 9.30 A.M.  
He uttered only two or three notes,  
all soft & pleasing, one repeated  
many times often than any of it.

His presence in this neighborhood  
perhaps has some connection  
do with the long-continued &  
almost total absence of House

Sparrows but from what I  
can learn these birds have  
disappeared similarly from most  
if not all, other parts of  
Cambridge during the past  
month or two.

Writing letters all forenoon &  
late afternoon. C. went in  
town to Church. We had dinner & a  
dinner. This was last Concord Fairday  
& the half cent, the Spectator &  
Mass Alliance, they departed at 4 P.M.

I had a thin-fair day for all the birds in the neighborhood.



Cambridge

Ther 50° max  
Monday, Feb. 25, 1918  
Wea Fine

Clear, calm & very mild. Altogether  
more warm & spring-like than  
yesterday.

Garden birds. A Chickadee  
giving its throat call in the  
trees at 9 a.m. and a  
Common Shrike, no doubt the  
self. same bird here yesterday,  
which Percy Harris saw &  
heard early this morning, as  
it sat perched in an elm  
over our lawn, singing freely.

Spent most of day in  
Museum, working on the bones  
M.S. and repairing some of  
a compass earlier in the winter.

C. kept to her room & had  
by all accounts a very unsettled  
day - as seems to happen often  
just after a visit to her oculist.

I walked up Brattle St to  
Fayerweather after sunset, feeling  
much exhausted & also affected by rain.

Cambridge

Ther  
Tuesday, Feb. 26, 1918  
Wea Fine

Because of warm rain & southerly  
wind continuing last night there  
was little snow or ice to be  
seen anywhere this morning.  
The sky cleared by 9 a.m., after  
which we had a sunny but  
March-like day made so by  
harsh N.W. wind & falling  
temperature.

Garden birds: Two Jays in  
trees, several Crows on wing  
overhead.

My day devoted to writing letters  
& composing the book M.S.  
which Gilbert copied.

Discouraged by yesterday's  
experience with up-street  
exercise I attempted nothing  
of the kind to-day.



# Cambridge

Ther 24° Wednesdays, Feb. 27, 1918 Wea

Sunny, calm, frosty but not chilly.

as seen birds. Only a Flicker  
in by Perry

Worked on Umbagog Introduction  
in forenoon. I am now trying  
to assemble and connect a lot  
of more or less unrelated material  
composed at various times. It  
is a different task at which I  
can make only slow progress.

Left Proctor came from Concord at  
3 P.M. to report on his wood chopping  
at Holden's Hill. Thus far he has  
cut 3 1/2 cords there. I have paid  
him for 22 of them. He will  
now cut out 3.00 a cord at  
Davis Hill

Dr. Stevens came at 3 P.M. He  
advised me to give up all out. Some  
exercises for the winter.

C. Wood in town at 10 A.M. is  
see Dr. Cherry & Dr. Williams in  
consultation. They agreed that his  
right eye need not be operated on as yet and

# Cambridge

Ther 38° max Thursday, Feb. 28, 1918 Wea Stormy

Dark cloudy & very chilly  
with incessant sleety rain after  
3 P.M.

Garden birds. 4 Crows cawing  
restlessly and circling lower but  
not alighting

Worked on Umbagog M.S. in  
forenoon, rewriting a page of  
Introduction.

Judge Abbott came out  
at 3 P.M. to stay until 5.  
He was most entertaining &  
I enjoyed talking with him  
exceedingly. I suggested the  
appropriation of some more money  
from our Public School Fund  
to improve playgrounds etc. at  
Wolfeboro & Jaffrey. He thought  
\$600 or 700 could be so used to  
good advantage & promised to send  
me a statement regarding expenditure  
of last fall's money for improvement.  
Mr. Winterbottom, Salvation Army,  
called later. I greatly liked him

This decision is a great relief to both her & me.



Ther

Friday, Mar. 1, 1918

Wea

Cambridge

Ther

Saturday, Mar. 2, 1918

Wea

26°, 38°

7 mi

Garden birds: none whatever that attracted Percy's or my notice.

Worked all day on a short passage for 'Mystic' Introduction, which could not be made to come right. My eyes are behaving somewhat better, my strength seems to fade from day to day. Nevertheless I keep at my work without discomfort now. That all out-door exercise has been discontinued, by Dr. Stevens' advice. E. keeps moving to her chamber. E & I go there twice or thrice daily, for half an hour or so, to have books read aloud.

Sunny, calm and rather mild. A light powdering of snow falling overnight whitened the ground here and there this morning.

Garden birds. Several Crows coming loudly at sundown, a Chialaden heard later in the day.

My customary task engaged most of my time & thought during the entire forenoon & part of the afternoon until interrupted by Dick Dana who called at 3 P.M. & stayed upwards of an hour. He will start on a western tour to-morrow, to be gone a couple of weeks.

Our winter bulbs are doing well. Paper whites began blooming at Christmas, crocuses two or three weeks ago, the first tulips, jonquils & hyacinths within the past few days.



# Cambridge

Ther 24°, 32° Sunday, Mar. 3, 1918 Wea Fine

Bright sunshine, frosty cool temperature and boisterous N.W. wind combined to make a typical March day of, by no means wholly displeasing kind.

Miss Hathurst is said to have pecked two snow-drap blossoms in Deanean Ross's grounds within the past few days, but none have as yet appeared in ours.

Garden birds: 2 or 3 Crows causing in early morning.

The forenoon and late afternoon was devoted to writing letters. I also looked over some Montagu's manuscript. C. went in town to church with Lorry Fulkner. She spent most of evening in lower hall but did not come down to dinner at which our only guests were Charlie & Mrs. Lamb. They stayed until 4 P.M.

# Cambridge

Ther 15°, 24° Monday, Mar. 4, 1918 Wea Fine

Cloudless, windless & cold but without penetrating chill.

Garden birds: 2 Chickadees & 3 Blue Jays in the lilacs; 5 Crows perched high above ground in the lindens; causing vociferously.

Worked all day on the boys' introduction, trying in vain to piece together in some effective order a lot of matter that defies such arrangement although in itself by no means ill composed.

After repeated urging the Hollington & Beale people have at length sent us a ton & a half of range coal. This we have been short of for several weeks during which Percy has been using furnace coal instead, breaking it with a hammer. C. E. R. S. & I found a pleasant company in lower hall, with betula nussel & leafy.



Cambridge

Ther Tuesday, Mar. 5, 1918 Wea  
Fin.

Clear, calm & mild. Snow  
fell to a depth of 4 or 5 inches  
some time last night but to day's  
warm sun melted almost all  
of it except in shaded places.

Garden birds: Hens calling  
Crows & screaming Jays, apparently  
not more than 2 or 3 of each.

Spent entire day in Museum,  
working somewhat on Henshaw's  
manuscript but mostly on data  
that Galloupe must have in  
order to make up my Federal  
Income Tax return - due not  
later than April 1. and a source  
of infinite trouble & vexation  
to almost anyone of us.

Cambridge

6 Ther Wednesday, Mar. 6, 1918 Wea

Spent forenoon & early afternoon  
in Museum, writing. Taken ill  
about 4 P.M. with nausea &  
dizziness. The former became  
violent when I reached my  
room. After that I had a rather  
wretched evening & a troubled  
night. I am writing this &  
the next following entries (Mch. 7,  
11, & 12) a month or more later,  
from memory. Because of my  
illness nothing whatever was  
entered in the diary from  
March 6 to 23, inclusive.



Ther

Thursday, Mar. 7, 1918

Wea

Another heavy attack of nausea  
gave before day break. Dr. Stevens  
came about 8 a.m. & Miss Hester A.  
Arithers, professional nurse, are here  
or two later. Thus began a  
period of some two weeks  
spent tediously but painlessly,  
in bed. The Doctor called it  
nervous dyspepsia. It troubled  
me greatly at first.

Ther

Friday, Mar. 8, 1918

Wea



Ther

Saturday, Mar. 9, 1918

Wea

Ther

Sunday, Mar. 10, 1918

Wea



My last sight of Jimmy

Ther Monday, Mar. 11, 1918 Wea

Jimmy came into my room and  
bed when the nurse was at supper  
this evening. He came over against  
my thigh and licked my hand gently  
with the tip of his soft little tongue,  
after his usual custom on such  
occasions. I covered him well with  
a red blanket, for the room was cool.  
Thus we lay together, as he has so  
often done before, until the nurse  
came back and took him away in  
her arms. That was the last I  
saw, or shall ever see, of him on earth.  
But a few nights later I dreamed  
that Charon was ferrying me across  
the Styx & that as we approached  
the further shore "Jimmy" was there  
to greet me with wagging tail &  
smiling, loving eyes & when I landed  
he whirled around & around many  
times just as he always would when  
eager to pass out or to run through  
a door or gate. All this seemed very  
real. I was rather sad at his going

Cambridge, Jimmy's untimely death

Ther Tuesday, Mar. 12, 1918 Wea

"Jimmy", my Irish Terrier, was run over  
by a motor truck about 10 a.m. and  
breathed his last some 20 minutes later.  
Of this they told me nothing until  
late in the day I being then in bed  
& rather seriously ill. Percy's account  
of what happened, as given me by  
him several weeks later, is as follows:  
Jimmy was let out in the garden  
about 9.45 a.m. He found a hole  
in the wire fence on Spensley St. &  
escaping through it made his way  
down that street to Craigie St.  
where he was run over not far beyond  
the watering trough. A small boy  
who noticed him lying there brought  
word to Percy. The ground was covered  
rather deeply with fresh fallen snow &  
he was lying in this place outside the  
roadway. He did not seem to know  
either Percy or Gilbert when brought in  
to the Museum. I was grieved that  
my dearest dog I have ever had.  
The news of an unannounced  
conspicuously on my loneliness condition



Ther    Wednesday, Mar. 13, 1918    Wea

Ther    Thursday, Mar. 14, 1918    Wea



Ther

Friday, Mar. 15, 1918

Wea

Ther

Saturday, Mar. 16, 1918

Wea



Ther

Sunday, Mar. 17, 1918

Wea

Ther

Monday, Mar. 18, 1918

Wea



Ther

Tuesday, Mar. 19, 1918

Wea

Ther

Wednesday, Mar. 20, 1918

Wea



Ther Thursday, Mar. 21, 1918 Wea

7 Ther Friday, Mar. 22, 1918 Wea



Ther      Saturday, Mar. 23, 1918      Wea

Ther      Sunday, Mar. 24, 1918      Wea

Brilliantly clear & delightfully  
warm with little or no wind



Ther

Monday, Mar. 25, 1918

Wea

Overcast with pale sunlight,  
calm, very warm

Garden birds

Ther

Tuesday, Mar. 26, 1918

Wea

Overcast with more or less sunshine  
& occasional flurries of snow flakes.  
Aid said to be very chilly.

Garden birds. 2 Fox Sparrows, 3  
House Sparrows, 4 Crow-blackbirds  
a Blue Jay & a Northern Shrike.  
All these I saw from the morning  
room window in or near the  
ices beneath. Through them  
the Butcher bird chased one of  
the House Sparrows to & from.  
Whether he finally caught it or  
not I was unable to see.  
Before pursuing it he sat perched  
erect & motionless for several  
minutes in a Hawthorn by the  
pond, apparently watching a place  
where the Sparrow came to feed  
now.

Up all day after 10 a.m. Sparrows  
foremost in morning room.  
Harry Gelman called at 9 & R.  
Stevens at 11 a.m.



Ther Wednesday, Mar. 27, 1918 Wea

Ther Thursday, Mar. 28, 1918 Wea  
25° at dawn

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... W. in jungle. Browned Grackles  
flitting hither & thither.

Feeling stronger to day. Spent  
most of forenoon in morning  
room, watching birds in  
lilacs & garden.

Had first breath of out door  
at noon when with Miss Anthon  
I walked up & down planks  
front of house, & out to kitchen  
door. Had lunch in den.

Walter D. called at 4 P.M.,  
staying only for minutes.

Spent part of evening in corner  
with C. & D. in the latter  
reading for Omer.



Cambridge

Ther

Friday, Mar. 29, 1918

Wea

Fine

Clear & cool with light easterly wind.

Garden birds. A Robin singing delightfully at evening in our lindens; a Fox Sparrow & several House Sparrows in lilacs; Goldfinch heard calling (the first one I saw); a Jay & a Flicker; 6 or 7 Crows & Blackbirds.

Dr. & Mrs. Gehring came from Bethel yesterday to the Touraine in Boston. The Doctor spent several hours (10.30 a.m. - 3.30 P.M.) with us to-day. C & I had long & helpful talks with him. He & I walked in the Garden at noon. After luncheon Dr. Stevens came to meet him.

With them I spent half-hour in den, talking over things. They advise my going to Concord as soon as possible & later to Bethel.

Spent part of eve in lower hall part in is room. Writing & then called

Cambridge First Snow-drops & Squills

Ther

Saturday, Mar. 30, 1918

Wea

Fine

Clear, calm, warm, a really spring-like day wholly free from chill. First Snow-drops & several Squills in bloom front of Museum & one Snow-drop on balcony front of house. These apparently the first to bloom within our grounds. Elsewhere they have appeared long ago. Jim told, Lannan Row has a fine show of these now.

Garden birds: A Robin, several House Sparrows & 3 Crows & Blackbirds were all noticed.

Although House Sparrows are evidently greatly reduced in numbers in this neighborhood I saw at least 25 of them picking manure to pieces on a lawn below Harvard Sq. to-day.

Walked twice in Garden & walked with Dr. Stevens to Cor. Cambridge & Huron Sts. Linné trip used me up rather completely for the time. Evening reading in hall.



Easter

Cambridge

Ther  
68°

Sunday, Mar. 31, 1918

Wea

Perfect

Clear, calm, very warm.

Seldom if ever before within my recollection has the outgoing of March been so altogether "Cambridgish".

It would be now an early Spring but for the great depth of unsettled frost underground. This is so retarding vegetation that it is really late instead of early. Thus there is no green grass as yet & not many crocuses & snowdrops. Yet the ground has been free from snow & ice for a week or more.

Garden Birds. 4 or 5 Robins in full song at evening; Northern Shrike (fully adult yet a rather dull-colored bird) singing fitfully, in both forenoon & afternoon while perched only 4 or 5 ft. above ground in very middle of dense branched Park apple tree. 2 Flickers ♂ & ♀ both shouting at once at edge of jungle; 2 Jays; sev. Crow Blackbirds. 2 Crows flying to & fro in lindens.

Spent much of day out doors walking slowly in Garden & along Brattle to Sparks St. Dick Dana & Harry Spelman called in P.M. C. went to Church from St. Johns. Then at St. Pauls, with Lady Fuller & Mrs. Swamy. We sat in her room this evening.

Cambridge

Ther  
72°

Monday, April 1, 1918

Wea

Fine

Cloudless with light westerly wind. Unseasonably & hence rather oppressively warm. Many Squirrels & Crocus blossoms with Honey Bees busying about them. No remaining snow or ice. Saw a little doe behind our house. Grass lawns showing no signs of life. Many winter-killed Hemlocks & Shadoblooms.



Cambridge

Ther  
70°

Tuesday, April 2, 1918

Wea  
Fine

Duplicate of yesterday as to weather but with stronger W. wind. Green grass at last but only on sunny & sheltered banks. Lots of Squirrels & Crocuses

Garden birds: Fox Sparrows, Robin, 5 Crows Blackbirds, 2 Crows.

Spent much of day in garden, watching them at work clearing up flower beds & walking slowly in the & shelter - once outside on grounds & up Residential Ave to Granville St.

Cambridge

Ther

Wednesday, April 3, 1918

Wea  
Dull

Cloudy & chilly with light drizzle or rain.

Garden birds, A Fox Sparrow eating seed in clothes yard; a Robin singing well at evening; 4 Crows together in the timbers, also 2 Blue Jays.

Spent day in house, mostly in my chamber, being so oppressed & handicapped by dizziness & weakness that I could not move about without suffering from the nerve or some other etc. Altogether it was for me a mean day - perhaps the most so of any since I left my bed. Dr. Stevens suspects that some bromide solution I have been taking may have caused this retrogression & he has ordered its discontinuance.



Cambridge

Ther Thursday, April 4, 1918 Wea  
40° max. Fair

Forenoon cloudy, afternoon partly  
sunny. Cool & chilly. Hardly any wind.

Garden birds. An unseen Fox Sparrow  
in nearly full song at 2 P.M.; a  
Robin or two, 4 or 5 Crow Blackbirds

Feeling much better to-day. Dizziness  
mostly gone. Two walks in Garden,  
one accompanied by C.

Walter Deane called at 5 P.M. staying  
half an hour.

Cambridge

Ther Friday, April 5, 1918 Wea  
Fine

Brilliantly clear with boisterous N.W.  
wind. Pond in front of Mrs. Alenwood  
over with thin ice at sunrise.

Garden birds: a Fox Sparrow, a Crow  
Blackbird



Ther  
65°

Saturday, April 6, 1918

Wea  
Perfect

Clear, calm, warm

Garden birds.. A Fox Sparrow, 3 Robins, 5 Crow Blackbirds; Sparrow Hawk skimming low over jungle, calling klee-klee-klee; 8 or 10 House Sparrows.

8

Ther

Sunday, April 7, 1918

Wea  
Fair

Sunny but hazy, calm, warm  
Thousands of Squills in bloom & hundreds of Honey Bees about them. Japanese Barberry bushes, front of house, covered with unfolded tiny leaves. Maples & elms in full bloom

Garden birds. 3 Robins; 2 Blue Jays; a ♂ Sparrow Hawk skimming low; 6 or 8 House Sparrows

Had two walks in Garden & one up Little St. as far as Choate place. Very dizzy & rather feeble all day. Men Ulysses at dinner when I saw her although having then finished my own dinner. All my meals are still eaten apart from the family & cooked by the nurse, Miss Anthes.



## Cambridge

Ther

Monday, April 8, 1918

Wea  
Fine

Clear, calm, seasonably warm - or cool.  
Green showing turning green in places  
but not generally as yet.

Garden birds: 3 Robins, a Jay, a few House Sparrows, a Flicker & standing at rest, regular intervals.

Took several walks - the longest  
with Percy through Brewster St. to  
Appleton & back by way of Heath.  
Otherwise this day passed much  
as do they all now. I can  
no longer hear much of  
my eyes for any purpose.  
Every reader the war news to  
me & also more or less from  
books, daily. Just now she  
is reading Trollope's "Autobiography"  
which I am enjoying quite as  
much as when first read to  
me twenty or more years ago.

## Cambridge

Ther

Tuesday, April 9, 1918

Wea  
Fair

Partly sunny, mostly cloudy. Cool  
with light easterly wind.

Garden birds: 3 Robins, 8 Crow Black-  
birds, 2 Crows, a Jay a few  
House Sparrows.

Had my hair cut at Mark's in  
forenoon. Gilbert motivated me  
down & back. This did not trouble  
me nor did a walk of about 1/4  
mile, taken with Percy, after that  
but I was too dizzy in the  
afternoon to move about freely.  
Dick Dana came to see me at  
5:30, staying until 6. He had  
just returned from New York & goes  
back there again to night.



Cambridge

Ther Wednesday, April 10, 1918 Wea  
38° max. Fair

Partly sunny, partly cloudy with  
strong & intensely chill N.E. winds.

Garden birds. Only 2 Robins & one  
or two Cross Bluebirds.

Walked twice around the Brewster-  
Appleton - Brattle St. square, both  
times accompanied by Percy.  
might have got along well enough  
without him for there was no  
likelihood to speak of on either of  
these occasions. My strength is  
returning fast now.

Cambridge

Ther Thursday, April 11, 1918 Wea  
36° max. Dull

Cloudy with piercingly chilly N.E.  
wind. Vegetation at standstill.

Garden birds. A Robin or a Blue Jay  
- were all seen or heard by me.

Spent most of day in doors but  
took one short brisk walk with  
Percy at noon, going around the  
Brewster-Appleton - Brattle St. square  
at my very best pace, in order  
to keep warm. It was an  
uncommonly disagreeable day for  
this time of year.



# Cambridge

Ther  
36°

Friday, April 12, 1918

Wea  
Stormy

Snowing hard all day much of it melting as it struck but more accumulating until by night it covered the ground uniformly & almost everywhere to a depth of from a six inches and loaded the trees with snow foliage of exquisite purity & beauty besides plastering their trunks well on the easterly side whenever the wind came. It is not often that we have such a show as this season.

Garden birds. Only a Robin and a couple of Crows Blackbirds all looking very fat.

Entire day spent in house. I read aloud to me. C. & I watched the children together up stairs. The cat in hall. The dog in kitchen. The little ones in parlor. The boys in room. I did not go out all day.

Ther  
34°

Saturday, April 13, 1918

Wea  
B. i.

Thin cloudy with a few snow flakes falling now & then. The snow that came yesterday shrinking fast & wholly gone by noon from streets & sidewalks although still covering our lawns to a depth of several inches. From the trees more of it came away or melted before sunrise. This morning. The entire day cooler but less chilly than yesterday.

Garden birds. A Robin & 2 Blue jays - all three seen in our bird box.

Another tedious day spent almost wholly in doctor's office. I did have one outside walk with Mary going up Brattle St. as far as to Elmwood, despite much darkness.

My eyes continue troublesome & this diary is all I try to write.



Cambridge.

Ther Sunday, April 14, 1918 Wea  
7 in Fair

Forenoon cloudy; afternoon sunny  
calm & warm. Ground mostly bare  
or snow by night. Grass comes out  
very green almost everywhere.

Garden birds. A solitary Robin was  
all I saw within our grounds.

Near those of Sam Heston on  
Fayerweather St. a Flicker was shouting,  
a Song Sparrow singing and half a  
dozen Mockers, creaking at 5.15 P.M.  
There was also a wood Starling  
whistling in the Kennedy place.

Spent forenoon in doc writing  
chapters for bills. Miss Allyn  
dined with us at 1.30 but I  
had finished my early dinner about  
one hour before then.

Two solitary walks in P.M.,  
first up Brattle St. to Elmwood,  
second up Highland.

Cambridge

Ther Monday, April 15, 1918 Wea  
68° Perfect.

Brilliantly clear, very warm, almost or  
quite windless. Altogether a rare spring  
day of the very best type. Green grass  
everywhere. Early shrubs already green  
with tiny unfolded leaves. Horse chestnut  
buds bursting. Sorel trees green with  
young foliage.

Garden birds. ♂ & ♀ Robins; sev. House  
Sparrows; a Downy Woodpecker in jungle;  
3 Browned Grackles of which one, a  
♂ in high plumage, spent the day  
moping on ground close to fence, his  
eyes half closed & breathing heavily.  
I could almost lay hands on him.  
He must have suffered serious injury  
in some way, perhaps by flying against  
the plate glass window. Some dove just  
beneath where I saw him first.

Spent most of day in house &  
garden doing nothing save from  
a few shrubs. In P.M. took a  
motor ride with C. to Watertown  
Hawthorn & Belmont.



Cambridge.

Ther Tuesday, April 16, 1918 Wea  
68° ~~mean~~

Clear with light easterly wind  
shifting to westerly before sunrise.

Garden birds. 1 Robin, 15 Grackles  
flying W. at sunrise. 2 Starlings  
in Parkinson apple tree.

Started for a walk at 10 a.m.  
strolled up Highland St. & down  
Faymather St. towards Fresh Pond  
trying to trace among the crowded  
houses where various former natural  
features of the landscape had been  
in the days of my youth. This  
was mostly futile for everything  
was utterly changed. Got very  
weary & took trolley car back to  
head of Geneva St.

Starting at 3 P.M. in our  
Ford car with Gilbert, C. & I  
motored to Arlington & then  
around the Mystic Pond, a  
very attractive ride of an hour  
& a quarter duration.

Cambridge.

Ther Wednesday, April 17, 1918 Wea  
70° ~~mean~~

Clear & warm with light westerly  
breeze. Vegetation advancing fast  
& now ahead of its average at this season  
if not unprecedentedly forward as respects  
certain things. Thus several horse chestnuts  
in Nichols & Choate places had quite  
opened broad leaves by mid afternoon  
& a few Forsythia blossoms had  
unfolded in a hedge near Edmund.  
The grass is everywhere green, ~~and~~.

Garden birds. 4 Robins, 8 Grackles  
several House Sparrows.

Spent most of forenoon in Museum.  
Galluppe came out & together we  
went over a lot of Judge Abbott's  
vouchers relating to expenditures he  
has made for Wolfboro school  
play grounds etc. He has called for  
another app. of 1000. which I told  
Galluppe to make subject a Bulfinch  
app. ~~roughly~~  
L. & I motored to Mt. Auburn at  
3 P.M. to find some early flowers on  
Hemlock grove. Heard a Phoebe  
Crown Wren.



Cambridge. Boston

Ther  
34°

Thursday, April 18, 1918

Wea  
Stormy

Dark cloudy with icy N.E. wind  
and alternating slaty rain &  
fine dry snow flakes.

Garden birds. 4 Robins, 2 Jays  
(one mimicking a Sparrow Hawk  
screaming fearfully), a few House  
Sparrows & several Brown Grackles.

Accompanied by Gilbert but in  
one of Shepard's (Charles River Garage)  
cars I motored into Boston at  
10 a.m. To have my eyes examined  
by Dr. Smyth (69

He found enough trouble to account  
in large part for my recent illness. So  
he said. Hereafter I must wear glasses  
constantly. Mr. Glynes of Pincham & Smith  
came by app. to Dr. Smyth's office to  
get data & measurements for them.

Home by 11. Two solitary walks  
after that. Evening reading of  
Lectures in C. room.

Cambridge.

Ther  
36° - 46°

Friday, April 19, 1918

Wea  
Fine

Clear & cool with light easterly wind.  
Horse chestnuts, willows & early apple trees  
well covered with tender green foliage.  
Forsythia coming into bloom in sheltered  
places. A few hyacinths & jonquils  
in full bloom.

Garden birds a Hermit Thrush,  
2 Robins, several House Sparrows,  
4 Crows, several Grackles.  
2 Hermit Thrushes together in  
H. M. Spelman's garden.

I was in & out of our garden  
many times today & twice  
visited that of the Spelmans where  
I first saw Mrs. & one of two  
children, afterwards Harry who  
had called to see me on his way  
out of town.

C. & I dined together up stairs.  
E. R. S. went to a meeting of the  
Bee at Mrs. Cobb's.



Cambridge

Ther 30° - 42° Saturday, April 20, 1918 Wea Fair

Forenoon sunny, afternoon cloudy.  
White frost at sunrise. Very cool all  
day but milder or nearly so.

Garden birds. One Robin; a Hermit;  
a ♀ Flicker, on lawn by June deck;  
a Downy W. heard calling; a few  
House Sparrows in lilacs.

No Robin singing in this neighborhood  
for several days past - perhaps  
because the weather is so cool.

Brown Grackles more numerous than  
ever but also more widely and  
generally distributed. In pairs or  
trios I see them almost everywhere  
throughout the city as far down  
as Quincy St.

Spent most of day out of doors,  
superintending garden work  
chiefly. Gilbert got a downy 25th  
bushes & some other plants at  
Burl. Robinson mowing & Percy & I  
set them out in late P.M.

Cambridge

Ther Sunday, April 21, 1918 Wea Stormy

Dark cloudy with strong N.E. wind  
and almost incessant rain, very  
heavy at times.

Garden birds. A pair of Robins

Took a solitary walk in  
forenoon, up Brattle St. & beyond  
almost to Grosvenor - or where  
these ones were. Saw 4 or 5  
Robins & heard one sing.

Those about our place silent  
for almost a week past.

Called on George & Mary Deane  
in P.M. finding them both  
in the old library where we  
staid for more than an hour.



Cambridge.

Ther

Monday, April 22, 1918

Wea  
Time

Foggy morning followed by brilliantly clear & rather warm day. Strong westerly wind.

Garden birds. 2 Hermit Thrushes with 2 Robins, running about over the lawn near sundial, at 5 P.M. Downy Woodpecker in jungle; Starling in big willow; 3 Grackles in tree over Barnard St.; several House Sparrows.

Walked up Highland to Fayerweather St. & back by way of Brattle St.  
10.30 - 11. A.M.

In P.M. took a motor ride with C. in our Ford car which behaved rather badly shaking us up a good deal especially when run slowly.

We went through Arlington to Medford & back the same way. Saw 5 white Herring Gulls on Smith's Pond.

Cambridge.

Ther

Tuesday, April 23, 1918

Wea  
Time

Forenoon sunny; afternoon fairly cloudy. Very warm. Many trees, including lindens & paper birches, now covered with unfolding leaves.

Garden birds. Robins &c, 2 Hermit Thrushes, 3 Swamp Sparrows, several House Sparrows & a Downy Woodpecker in the jays.

I was not a little surprised at the occurrence of the Swamp Sparrows at this time & place. They spent entire day within a few yards of my Museum windows feeding in a flower bed that overlooks, retreating into shade when disturbed. One fearless than the other rather timid. Former brown capped bird.

To Harvard Sq. in Ford car at 10.30. Spent an hour in Dr. Laidlaw's chat. chain. Dined 8.30. In evening, bank & bought 100 worth of Savings stamps.

In P.M. motor to Mrs. Comp. Ford & saw Sam Henshaw. John Henshaw & Will Stewart called on me at supper time.



Cambridge

Ther Wednesday, April 24, 1918 Wea  
First dandelion Fine

Clear & cool with fresh N.W. wind

Garden birds. 2 Robins, several  
House Sparrows, 3 Grackles, 2 Crows,

To Harvard Square by foot  
at 10:30 to spend 1 1/2 hours in  
Dr. Andrews' clinic. He filled this  
cellar with various pamphlets.  
After leaving his office I passed  
at Charles River Bridge Co.  
purchased a \$1000 bond  
rather than \$100. Bonds going  
cheap in payment & taking a  
receipt for which the bond will  
be given me when I call  
for them.

In P.M. took a short walk  
through Beal's house to the St.  
telling informally on the way  
she was out the last time  
the books.

Confident is not down on a  
handkerchief. I'm reading in hall  
this evening.

Cambridge

Ther Thursday, April 25, 1918 Wea  
Fine

Clear & cool with strong westerly wind.

Garden birds. 2 Robins, ♂ & ♀; do Blue jays;  
do Crows; 2 Hermit Thrushes & a Junco  
on ground beneath Parthenon apple tree;  
9 Grackles frequently heard all day long;  
2 Sapewillers, one adult ♂, on trunk of  
apple tree & maple in jungle, other one  
in. ♀ (showing red on head) drinking  
sap from sap well in trunk of birch  
at west end of house about 10:00.  
Shortly before then I saw both these  
Sapewillers fly off into the yard & back  
one following the other closely.  
Mr. Auburn birds. 2 Robins, Solitary Vireo,  
Purple Finch, 2, Flicker 2, Red-wing 2,  
Starling 2 on ground, Crows 8 or 10, Cuck  
Pheasant on ground near tower, 2 Kingfishers  
flying together over larger pond.

To Harvard Square at 10:00.  
Dr. Andrews filled two front seats.  
Mrs. Melvin called at 8:00. She  
was very beautiful. She is a "Sweet"  
single lady. She married her  
Mr. Auburn is a very fine family  
man or more, visiting her family  
& old as well as the Purdies.  
Saw a Sparrow hawk fly over  
Harvard Square



Miss ... departs

Cambridge

Ther

Friday, April 26, 1918

Wea  
Perfect

Brilliantly clear with little or no wind. Sunlight warm. Early morning cool.

Garden birds: 2 Robins, 2 Hermit Thrushes, 7 Grackles, 3 Blue Jays, 2 Goldfinches, 1. red with red crown, 1 juv with black crown, both birds in Austrian pine in jungle but at different times.

Mt. Auburn birds. 3 Robins, 2 Song Spar. 2 Flickers, 2 Starlings, 1 brown variety scattered; Ruby crown Kinglets, 1 Yellow-rump W., 4 Yellow Throat W., 1 Black & White Creeper, several Grackles, a Kingfisher & 2 Night Herons, all close about large pond swimming with tall Fish. Mollard drake in this pond & drake with 2 ducks in pond at rear of Ave. - these all tame birds to total. To Mt. Auburn in Ford car. at 11 A.M. spent some time strolling about pond & watching birds. Called on Weller at 1.30. Miss ... departed at 1.45 P.M.

Cambridge

Ther

Saturday, April 27, 1918

Wea  
Fine

Clear & rather warmer with little or no wind. Vegetation advancing slowly.

Garden birds, Robins 2 ♀♀, 2 Hermit Thrushes (keeping mostly on ground among flower beds in open), 3 Blue Jays near nest, 5 Grackles, 1 Goldfinch, 1 juv. showing no red, on trunk Austrian pine in jungle, 1 Downy W., 12+ House Sparrows, 2 Crows.

Soldiers Field birds. Meadow Lark 1 ♂, 1 juv. - several birds, 2 Song Sparrows chirping, 1 Flicker shouting off in Camb. Cem. oaks. Several Starlings & Crows on wing.

Left home in Ford car at 9.30. Visited across river to Soldiers Field parkway. Walked about there for half an hour. Saw four bathing horses at upper & lower end of river. To Dr. Andrews at 10.30. Spent P.M. in garden & walking about Cambridge.



# Cambridge

Ther Sunday, April 28, 1918 Wea Perfect.

Brilliantly clear with warm sunlight and cool easterly breeze alternating with intervals of dead calm. Vegetation advancing fast. Most of our city trees now green with unfurled or unfolding leaflets & some of the horse chestnuts in nearly full leaf. Canon berries, Norway, Sugar & Sycamore leaves in bloom throughout city streets & gardens.

Garden birds 2 Robins, 1 Hermit Thrush, 1 ad. Sapsucker in Austrian pine in fruit, 5 Grackles, a Flicker, 6 Blue Jays beginning nest in Hawthorn after abundant one in arbor vitae;

Chipping in Hubbard Park & another at Steward.

Out walking 9.30-10.30 a.m. Struck up Fitzgerald St, down Fayerweather, thence thru Elmwood Ave & Israel St. Called on the

Spickmans on Lake Rd. Henry S. Jr. had seen a pair of Prairie Warblers there this P.M. at Belmont. One of the pair. Henry who called this morning had them there.

# Cambridge Hill Garden Road Hilling

Ther Monday, April 29, 1918 Wea Dull.

Cloudy with chill east wind. Vegetation at stand still again.

Garden birds. 2 Robins, 3 Grackles, 6 or 7 House Sparrows. The pair of Blue Jays working on their new nest in Hawthorn all rear of house. Both birds brought sticks to it & worked them into the superstructure. They got all of them in our old red cedar, breaking limbs off dead branches here. Chippy singing in Hubbard Pk.

Ad. Auburn birds. 5 Robins, 1 Song Sparrow, 8 Starlings, 3 Grackles, 2 Flickers, 2 Yellows, 1 ad. Starling, 1 ad. Night Heron, a Kingfisher & 2 Herring Gulls. ad. The three species last named were in large flock, the Heron perched high on a elm, the Gulls sailing over the pond one of them swooping down repeatedly at the water and without success. Motored to Mt. Auburn at 9.30. There to, & returned 10.30. I was in a. in driver chair when we home.



First cherry blossoms. Cambridge

Ther Tuesday, April 30, 1918 Wea  
72° May Fair.

Early morning cloudy. Rest of day sunny, calm, very warm. Vegetation forging ahead fast. First cherry blossoms began opening by 9 a.m. Only a few showing them but very many in full bloom before night. Tulips in bloom everywhere now. Many trees in half leaf.

Garden birds 2 ♀ Robin, several House Sparrows, a Chippy & in Harvard St. & Cambridge in the specimens grounds, 7 Starlings, a Downy & a ♀ ad. Sapsucker, the last making a new nest in the already much frequented trunk of one American pine.

Outram Bangs called at 9-30 a.m. staying most of forenoon. He picked out a lot of breeding Robin & Savannah Sparrows. Went to study at Mus. Comp. Zool.

In P.M. took a short walk. Called on Mrs. Ahoy at 7.30 P.M.

Cambridge, Boston.

Ther Wednesday, May 1, 1918 Wea  
Mixed.

Heavy rainfall last night. Lighter one this morning clearing before noon. Afternoon mostly sunny. Cool N.E. to N.W. winds.

Garden birds. 1 Hermit Thrush; a new arrival, ad. White Thr. Sparrow; a pair of Robins & 2 Blue Jays; several House Sparrows.

Percy & I started for Boston at 9.15 a.m. Gilbert motored us to Harvard Square where I called at Chas. Riv. Trust Co. gave him \$100. Liberty Bonds bought the other day. Reached 15 State St. at 9.45. Arthur there just arrived from the South. Galloupe made out my city tangible tax return which I brought & then signed. It is essentially the same as last year's one. Miss Waller went over to Cambridge City Hall to conduct the 1917 one for me. Remarked at Thompson's. Called on Mr. Brown in his office. He reports that he has report of Gen. B. Keith. Estate nearly finished. Arthur sent me money in his Limousine car.



Cambridge - Concord.

Ther Thursday, May 2, 1918 Wea  
Fine

Clear with light westerly wind.  
Early morning cool. Afternoon &  
evening warm.

Cherry trees in full bloom.

Can see birds. A Purple Finch in  
a pine by pond. front of Meadow  
- - - - - White Throat  
- - - - - singing rather freely;  
2 Robins; do Blue jays.

Concord. Farm. 2 Robins (2x), a  
song sparrow, a Tree Swallow,  
3 White-thr. Sparrows, a Phoebe,  
a Partridge, a Pheasant.

Hyles & Warren Toads in field  
everywhere at evening.

Spent forenoon putting away things  
for summer & packing others for Concord  
Left home at 2:15 with Gubbie  
in Ford car. Went via Arlington Bay  
& Bedford. Had several walks about  
farm before night.

Concord.

Ther Friday, May 3, 1918 Wea  
1 But in shed left Fine

Clear & warm with light, variable  
wind mostly easterly. Vegetation  
almost as far advanced as in  
Cambridge but no cherry blossoms yet.  
Grass in dooryard long enough for first  
cutting with lawn mower & superbly rich  
& green. Red maples still in flower.

Many birds singing through forenoon;  
near house Robins, Song Sparrows,  
House Wren, Chaffin, Field Sparrow,  
Grass Finch, Meadow Lark, Chickadee,  
Black & White Creeper, Dead. Wren etc.  
2 Yellow rumps & 3 or 4 Yellow Pines  
Warblers in orchard. 2 Towhees in  
lodge. hedge.

Prof. Norton came down to see  
me in forenoon. He had a good  
walk in the woods to Beech Field  
& Pulpit Rock. I enjoyed talking  
with him as always - he is so  
intelligent & so deeply interested in  
everything pertaining to Nature.  
Sherbank & I put up several birds  
houses & 3 Tree Swallows came to them  
at once. I did a lot of pruning - at  
different times. My strength returning  
fast now.



Concord

Ther Saturday, May 4, 1918 Wea  
fine

Clear, calm, comfortably warm  
with light S. W. wind.

Shad bush in nearly full bloom.

Tree dandelion in daisyland.

A few late caterpillar nests.

Birds singing freely all day.

Two Purple Finches sang in Cedar Park  
in early morn. At sunset a

Herring Gull on full bay near

Pulpit Rock & a Brown Thrasher

in stone pasture. Three Bellows

jumping in daisyland along shore,

one near Birch Hill, two in

Great Meadows. Raven bird in

flight song. Robins singing

far & near, 3 swallows about

my bay. Two Sparrows heard.

Spent most of forenoon working  
in flower beds near house, afternoon

at the one Strawberry plant in

fruit across road. Walked to

Pulpit Rock & along Benson's road

at evening. Mrs. Thelvin &

Mrs. Cummings called at 4 P.M.

Concord

Ther Sunday, May 5, 1918 Wea  
fine

Clear with strong N. E. wind in  
forenoon & still stronger S. W. wind

in afternoon. A few cherry trees

& most plum trees in blossom.

White peach trees show no fruit

buds whatever. They must have

been killed by the intense cold

of last winter. Because of a

many trees & shrubs perished or

were badly disfigured as has

happened to nearly all my white

Cedars & those in Bedford Swamp.

Even the hardier Ba. Junipers

suffered similarly in exposed places.

In the larger nurseries there was

heavy loss, of conifers especially.

Not feeling well I kept to the  
house through most of the day & it

took time on them short walks

about the place. Few birds seen

or heard. Two house Thrushes & a

handsome cock in full display of

feathers & the small sparrows in flower

garden behind.



First apple blossoms.

Concord.

Ther Monday, May 6, 1918  
86° max. Bird wave arrives

Wea  
7 in.

Clear & oppressively warm with strong S.W. wind. Vegetation advancing fast. Many trees in half leaf. A few apple blossoms unfolding.

Bird arrivals. House Warbler, 1 ♂ in dogwood elms; Nashville Warbler, 2 ♂ in gum; Bobolink, ♂ heard 8 or 10 after. on long mig. north; Oriole, ♂ at Thicket place, another hd. by D. in second village; Chimney Swift, heard at evening. Gen. av. local birds; heard them in various parts of our woods. Birds also more numerous than heretofore.

Walked through lane, Cedar Park & back after breakfast & again at 3 P.M. with South Dixie who came down to dine with me. He left at 4 P.M. Mr. & Mrs. Emerson down down a little later, staying about 20 minutes. I did little work beyond meeting a letter & getting out a few plants.

Concord

Ther  
88°

Tuesday, May 7, 1918

Wea  
Fair

Partly cloudy but mostly sunny with strong S.W. wind. Oppressively warm all day. Almost every tree & shrub, including oaks, bursting into leaf or blossom. Many apple trees in nearly full bloom by sunset. Birches already dense with young foliage. Shad bloom passing.

Bird arrivals. First Maryland Yellow-throats, 2 ♂♂; Saw Swallows, 1; heard Flycatcher, 2. Saw for the first time seemed to be no new comers of any kind greatly to my surprise for I had felt sure that the strong S.W. wind, fine weather & unseasonable heat of yesterday & today would bring a rush of migrants of various kinds.

Because of the heat & of continued lack of strength & energy I did little but strolled about near home & read a little. At eve. started to Carleton to see Dr. Brown.



Height of apple blossoms. Concord

Ther Wednesday, May 8, 1918 Wea  
Fair

Cloudy sultry morning following a very warm night. Light thunder shower at 9 a.m. Remainder of day brilliantly clear with strong, cool N.W. wind.

Apple orchards for most part in fullest bloom - superabundant this year. Every kind of vegetation moving on with unusual precipitation. Tulips already past their prime.

Plenty of dandelion blossoms seen.

Bird arrivals. First Cat birds, ♂ & ♀ in Parsippany bushes, front of house, at 7 a.m.; Chestnut-sided Warbler, ♂ & ♀ near house.

A handsome Oriole fluting in orchard. No evidence of any heavy flight of Warblers as yet. But soon are coming sightably.

Remained wellness & drowsiness obliged me to keep indoors through most of a.m.

Felt better after dinner & walked a little with Jeph. Chasing up about bird day. Dr. Stevens called at 4.45 staying a half hour or so.

Concord

10 Ther Thursday, May 9, 1918 Wea  
Fair

Clear with moderate westerly winds. Very cool - indeed almost frosty - in early morning, warming up as day advanced. Breeze calm & mild.

Apple trees still in fullest bloom. Many oaks covered with leaves much larger than a mouse ear. We should be planting corn according to this token - but are not yet.

Bird arrivals. First Yellow Warbler & Warbling Vireo, both single males in song at Wheeler Farm. Nothing new, save an ♂ Cooper's Hawk, at one place.

Feeling much stronger & more energetic than yesterday. I passed a comparatively busy day, mostly out of doors.

In forenoon I was with Jeph working about the out houses etc.; in afternoon Gilbert mentioned me to Concord where I did some errands in village, called

at Ben Brown's grain store, at Wheeler farm for strawberry plants, at Sleepy Hollow to inspect argeon about Melon Memorial. Home by 4. Evening walk about Farm



Concord

Ther Friday, May 10, 1918 Wea  
Fair

Sky obscured by dense haze or thin clouds thro. which sun shown dimly. S. W. gale of extreme violence blowing all day. It stripped multitudes of tender young leaflets from maples, cheres & other trees strewing them thickly on ~~roadways~~ & pools of water. Very warm.

No fresh arrivals noted. Birds generally sang but little & were not otherwise much in evidence because of gale.

A pair of Carolina Doves flew close past house towards N. W. at 6 P. M.

Spent most of forenoon with Jeph. We put up posts of grape vines, repaired bird houses etc. In P. M. I did a little gardening & walked thro Barry Pasture just before sunset.

Concord First mosquitos

Ther Saturday, May 11, 1918 Wea  
Fair

Clear & cool with light westerly wind. Vegetation hatched. Apple trees still in fullest bloom with fine petals falling. Two Mosquitos attacking me in run at eve. About a week ago I saw a brood of Gypsy larvae spinning down from a branch in front of house. Since then I have failed to notice any others altho looking for them every where. Tree Caterpillars exceedingly scarce. I have found only three nests thus far. No Brown Tails whatever.

Bird arrivals. Immense Warbler ♂ in field song 5-6 P. M. in oaks at rear of house. King Bird flying high N. appar. mig. at 4 P. M.

2 Bobolinks ♂♂ flying N. at 6.30. rather high throwing down bursts of song.

Motored to Concord just after breakfast. Got Fletcher's business & engaged re Assessor's office about tax returns. Was told home expected this year. Back by 10 A. M. Worked in garden until dinner time & again the rest of P. M. setting out a lot of plants & my strength returning fast now.



Over bird flying on ground Concord

Ther Sunday, May 12, 1918 Wea  
Fine

Clear & rather warm with strong  
S. W. wind. Sky overcast at sunset.  
Apple blossoms shedding petals freely.  
Some oaks in full blossom.  
Forest undergrowth covered with  
leaves 1/2 or more grown. Looked  
everywhere for Gyp larvae but found only one.

Bird arrivals. First Black-throated Warbler \*  
(near Pulpit Rock), Solitary Vireo\* (do),  
Rose breasted Grosbeak \* (the Run), Crested  
Flycatcher \* (Birch Field). Marked increase  
Black thr Green Warbler (kd 4 or 5).  
One Tennessee again near house.

In Birch Field heard & saw one Over bird  
give flight song several times at those  
intervals while rambling about on ground  
in thicket within few yards of me. Song  
fainter & more broken than that given on  
wing but otherwise precisely the same.

Walked to Birch F. & Pasata pines after  
breakfast, returning via Benson road.  
Country at is very loveliest now. Many  
birds singing freely.  
Out again about 5.30 - 6.30 P.M.  
Wrote several letters during day.

Concord

Ther Monday, May 13, 1918 Wea  
5-10 Bats in black Fine

Partly cloudy up to 10 a.m. After that clear  
& very warm with high S. W. winds.  
Prolonged fine weather & almost incessant  
strong wind have combined to dry up  
surface moisture so that a spring drought  
is already upon us with its attendant  
forest fires of which there were three back  
one last week, in Concord & Acton.

Apple blossoms fading & shedding fast.  
Sibbals, purple & white, in nearly full bloom.

Bird arrivals. Golden wing Warbler ♂ \*  
unseen; heard many times, at first in  
Berry Pasture, afterwards in Run, at 6 P.M.

North-bound migrants. A Tennessee Warbler \*  
an Allen W. ♀, a Peabody bird \*.

Returned to Concord after breakfast &  
spent an hour at Wheeler farm where I  
ordered 200 plants from Strawberry plants  
for Dan & with them sent 200 of our  
Chesapeake. Home by 11.  
Strolled about farm & planted a few  
things in P.M.



Concord

Ther Tuesday, May 14, 1918 Wea  
Rainy

Rain began falling last night & continued  
thru most of to-day, soaking deep into ground.  
Rather cool. Little or no wind.

Apple blossoms still withering many  
trees but wholly shed by others.

Gypsy larvae just hatched & rather numerous  
in a few places. Mosquitoes troublesome  
in room.

Bird arrivals. First Prairie Warbler ♂ & ♀.  
(unseen but heard many times in lawn 3 P.M.),  
Scarlet Tanager ♂ & ♀ (in lawn), Indigo bird  
♂ & ♀ (keeping close about house all day but  
sing heard only once at 8 A.M.),  
Hummingbird ♂ at tulips front of house.  
A Golden wing Warbler heard again  
to-day, this time in blossing orchard near by.  
North bound migrants. Tennessee Warbler ♂ in  
oaks near lawn, Peabody bird ♂ singing  
near house all day.

Spent most of forenoon in barn where  
Jeph was laying new flooring. Set  
out a lot of strawberry plants in P.U.  
Walked to Cox Pasture & Purple Rock  
just before sunset.

Concord

Ther Wednesday, May 15, 1918 Wea  
Fine

Brilliantly clear with warm sun &  
cool northerly wind.

Bushes, maples, barberry, alder, hazel &  
most other bushes, dense with well grown  
leaves. Apple trees in full leaf but many  
still white with blossoms.  
Choke cherry in bloom.

Bird arrivals. Wilson's Thrush ♂ & ♀,  
in full song for 10 min. at evening, in  
the Room.

A Golden winged and a Tennessee Warbler  
singing near house at intervals.  
A White-throat Sparrow sang then  
almost incessantly all day long. I  
heard another at evening along road to  
Barnstead. These two <sup>the Tennessee</sup> are also Warblers  
thin only presumably north-bound migrants.  
Thus far we have had few such.

No Chipmunks near house. One seen  
near front of lawn.

Spent most of forenoon working  
in strawberry & flower beds. Also  
much of afternoon. Walked to Purple  
Rock & beyond at evening.  
Gilbert gone all day to Cambridge-



Concord

Ther Thursday, May 16, 1918 Wea  
Fin

Brilliantly clear with fresh northerly wind. Very cool at morn. & eve. even after sunset when the wind changed to S. W.

Apple blossoms still persisting on many trees. Dandelions, columbines, choke cherry & lilacs in fullest bloom.

Found a large tree caterpillar's nest, the third seen this year. It was in an apple tree. Larvae healthy looking & nearly full grown.

No new bird arrivals noted.

A Tennessee Warbler & a White-thr. Sparrow singing near house all day. The latter bird has been here ten days or more & acts as if settled for the season. No other northern-breeding species noted.

A remarkably large & very truculent Garter Snake in our front yard of house yesterday & in lilacs to-day. It explored pond thoroughly visiting every part of it, swimming very slowly & fighting goldfish badly.

Spent forenoon with George, weeding & surrounding flower beds front of house. At Kitchin place with Zeph & P. L. Strolled about Betsy's garden after sunset.

Concord. Boston. Cambridge. Concord.

Ther Friday, May 17, 1918 Wea  
Fin

Clear & warm with light southerly wind.

Birds in Cambridge Garden. Robin ♂ & ♀ on lawn (2 & later); Swainson's Thrush, 1 calling in lilacs; Chippy, 1 in lilacs; Oriole ♂ & ♀, a fine voiced bird (Carl pulled up a dead ♂ much along elms to-day or yesterday); Blue Jay, 1 on nest in Hawthorn; Grackle, 1 on lawn.

Took 8.06 train from Concord. Sat with Geo. Hayes all the way to Boston. At our office 9.10 - 11 A.M. Saw Arthur, Gallman, Darling, Buttrick & others.

Dictated letter to Judge Abbott urging him to get coal supply for school & hall.

Thence to Harvard Sq. where Mark cut my hair. Home by noon. E. R. S. & the nurse.

Miss Greenough at dinner. After tea sat with C. in Pease Room for 25 minutes.

She was in her chair & seemed much better in both health & spirits.

Percy's garden as neat as possible. Submits material now back to Concord via Waverly, but. & Bedford, 3.15 - 4.20 P.M.



Spraying begun

Concord

Ther. Saturday, May 18, 1918 Wea.  
First Tree Toad & in water Perfect.

Clear & warm. Forenoon dead calm.  
Fresh southerly breeze in afternoon & evening.  
2 Garden Toads & a Tree Toad (the first)  
singing in pond front of house thru  
evening. Garden Toads thru evening  
for small post. Hylas still in full  
cry in ponds across road.

Most apple trees have shed nearly all  
their blossoms. Many forest trees in  
full leaf. Almost all our Honey Suckles  
& a good many hickories seem to  
have been winter killed. The same  
fate has befallen practically all red  
cedars, large & small, in exposed hill  
pastures both here & in Belmont & Waltham.  
Hardly any fruit hedges escaped similar  
distinction even in sheltered parts &  
Cambridge.

First Red-eyed Vireo ♂ seen here.  
Pearly bird & Brown Thrasher singing  
close about 12.

Spent entire forenoon spraying apple &  
other trees on farm. Barber & I left  
working our hand pump for me.  
Gardening in P.M. Walked to Retchin place  
at evening.

Concord

Ther. Sunday, May 19, 1918 Wea.  
Perfect

Clear & warm with fresh, sweet southerly wind.  
A few irises bloomed yesterday, very many to-day.

First Wood Pewee in oak grove rear of barn  
a Yellow thro. Vireo & big elm, Hildreth Corner.  
A Parula Warbler, only north bound migrants  
Delightful bird music all about house  
6-9 a.m. Oriole, Grackles, Purple Finch,  
Tanager, Towhee, Song Sparrow, the  
Wood Pewee, a Red capped vireo, Indigo  
bird, Crested Flycatcher, Phoebe.  
Chestnut sided Warbler, Downy woodpecker etc.  
Maryland Yellow thro. in lilacs behind house.  
Beery thru at evening.

To Chester Doremus at 9.30. Big colony  
of Swallows in his barn. Walking with  
him in his firm woods front & very many  
birds of various common kinds.

To Concord at 3 P.M. Spent an  
hour at the Greenhouses seeing Mrs. V.M.  
& Ellen. Crested Flycatcher calling, ♂  
Hummer at Glas. lilacs. Next to the Whites  
singing Gery & Macgillivray. Yellow thro.  
& Warbling Vireo singing in big elm.  
Home by 5. Watering flower beds after that.



Concord.

Ther

Monday, May 20, 1918

Wea  
Fine

Cloudless & warm with strong S.W. wind.  
Apple blossoms all gone, fruit  
closing calyxes. Dandelions passing.  
Iris coming into bloom. Not  
many mosquitoes. Hylas, Garden Frogs  
& Tree Toads uniting their voices in  
pleasing nocturnal concerts close  
about our house.

First Black-bill Cuckoo, coming in  
orchard. Peabody bird singing near  
cow pasture where one spent last  
summer. No north-bound migrants

Duke came with his hand-spraying  
outfit this morning & worked among  
the apple trees all day. His cousin  
managed the spray nozzle & did it  
remarkably well. George helped at the  
pump. The wind bothered a good deal.

I was with them most of  
forenoon. Worked among my flowers  
in P.M. Watered them at evening.  
Did not get into weeds all day.

Concord.

Ther

Tuesday, May 21, 1918

Wea  
Dull

Cloudy, calm & warm with fine rain  
falling gently every now & then.

First Black-jack & Bay Breast Warblers, one  
male of each species singing, the former in  
oaks at rear of barn, the latter in  
those at foot of lawn. There was also  
an Olive Warbler.

The Peabody bird heard at intervals  
all day somewhere near cow pasture.

The ♂ Oriole continues to frequent our  
dormer and elms from sunrise to sunset.

He is a superb singer of the good old-  
fashioned type of over song as we have  
not heard him for many years before. I

hear others with similarly rich, clear  
varied notes in various parts of Concord.

They seem to have replaced the monotonous  
unmusical voiced ones everywhere.

A Towhee sings all day near house.

Worked in flower beds, weeding &  
cultivating them, from breakfast time  
to 4 P.M. Took a short walk at eve.

My strength has at last become normal,  
or almost so but my eyes still trouble me.



Concord.

Ther Wednesday, May 22, 1918 Wea  
Dull

Cloudy with strong chill N. E. wind.  
Raining early morn. Heavy rain last night

First Redstart, ♂ & ♀, in trees over road near  
big elm; first Cedar birds, several heard  
calling in apple orchard - now wholly out  
of bloom.

A Black-poll ♂ & ♀ only north-bound migrant.  
Pembury bird singing. This day near  
cow pasture, Hermit Thrush at live  
near Pulpit Rock, a Towhee & a Towhee  
near house. Oriole in dooryard thus  
overhauling us ceaselessly from early  
morn to late afternoon.

Gypsy larvae numerous in spots. This  
oaks behind barn badly infested by them.

Spent most of day with George working  
in flower beds in front of house.

Left sheathing apple house in old barn.  
Beech bark transplanting lettuce etc.

In late P.M. Mr. & Mrs. A.C. Robbins  
came in their Stanley car bringing Walter  
Faxon. They stayed about half an hour.  
I enjoyed seeing them exceedingly.

Concord.

Ther Thursday, May 23, 1918 Wea  
Mixed.

Forenoon largely cloudy with occasional  
light rain. Afternoon sunny, warm &  
humid with fresh S. W. wind & thunder  
muttering in distance every now & then.  
Cooler at evening with light W. wind.

No new bird arrivals. House & Black-poll  
Warbler (a ♂ & ♀ of each) in oaks by barn,  
the only north-bound migrants.

Usual summer resident birds singing  
well through day, mostly close about  
house. They included Robins, a Yellow  
Warbler, Redstart, Towhee, Grosbeak,  
Indigo bird, Towhee, Oriole, Maryland  
Yellowthroat, Black-bell Cuckoo.  
Chestnut-side Warbler, Chipping etc.  
A Wood Pewee in dooryard elm  
uttered only its chuckling call note.

Spent most of day close to house  
working with George weeding flower  
beds & setting out plants.

Walked thro' Berry Pasture at sunset.  
Almost no birds singing there.



Duron Springing a 1<sup>st</sup> day. Concord

Ther . Friday, May 24, 1918 Wea  
First gen. *irrepressible* Dragon & his 7 in

Clear & rather cool with moderate  
W. to S. W. wind.

Loi-lars & dandelions going out of bloom,  
vines coming into it fast. A  
few buttercups. *Lochner's* Sheppers in  
full bloom. Mountain Laurel buds  
showing pink. All oaks in full  
leaf except white oaks & these nearly so.  
Vegetation generally much more advanced  
than it often is at this date.

No bird arrivals. North. breed migrants  
Tennessee Warbler, House W. Black-poll  
& Black-throated - all in oak near barn.  
Platby bird singing at eve. in brush  
at N.E. corner Cow pasture exactly where  
one summoned last year & doubtless the  
self same bird - a rather dull singer.

Duron came this morning for second  
time this Spring. I followed him about  
all day. We thronged in Orchard & Berry Tree  
in forenoon, in Bird Field & Tall oak  
on E. of barn in P.M. Syphy larvae  
swarming in Pulpit Rock pine woods on  
unbroken mostly. Little or no bad  
infestation elsewhere.

Concord.

11 Ther Saturday, May 25, 1918 Wea  
R. H. Dana Fair

Partly cloudy, mostly sunny. Warm with  
fresh S. W. wind. Raining 9-10 P.M.

First Magnolia Warbler ♂ in event to  
" Spotted Sandpiper 2 seen near B.H.

Dick Dana arrived at 10 a.m. for his  
usual May visit, coming up alone in  
his Ford car. After chatting for an  
hour in doors we strolled about the  
farm, through Bird Field & back by  
way of the road to Bunker's.

In the afternoon we went down the  
main road as far as Mr. Horro's, then  
down his lane to Holden's Hill where  
we found Jeph chaffing wood. He took  
us to his Partridge nest. Bird sitting close  
on 10 egg. They must have been near  
hatching for she stirred & fluttered about  
as if with young, when flushed from the  
nest. We went to Ball's Hill  
opened the old cabin & sat by an  
fire place for half an hour smoking  
& talking. Everything getting shabby then.  
Came back via Pine Hill & Bunker's  
bushes in full bloom at Pine Park  
headed many birds in various places.  
Spent evening in garden.



Concord.

Ther Sunday, May 26, 1918 Wea  
Fair

Partly cloudy & very cool. With  
strong keen north-east wind.

Shortly after breakfast Gordon Hutchins  
called to solicit Red Cross subscription.  
I gave him \$25.

Starting at 10.30 a.m., with Gellens in  
Ford car, Dick Davis & I motored first  
to Sleepy Hollow Cemetery where we spent  
half hour pruning dead wood from  
cavels about Memorial & where Miss  
Eaton chatted with us for a few minutes.  
Many birds singing - including a Black-poll,  
Bay-branch, Thrasher, Purple Finch, Wood Pewee  
Next to the Hayes pasture which we entered  
together for first time since May 1864, when,  
with Dan. F., we found Grass Finch nest there.  
Next to Middlebury School where we saw  
collections in Thoreau Mus. & heads & Crested  
Flycatcher, Bobolinks etc. (Horse not there.)  
Next to the Greenhouses where we spent  
half hour with Mr. & Mrs. E. Brown  
May 12. 45. Dick left me at 2.30 to  
return to Cambridge. After that I  
called at Dr. Howe's seeing Mr. H. &  
his daughter.

Concord

Ther Monday, May 27, 1918 Wea  
Mixed

Early morn dark cloudy with heavy  
showers about 8. Sun shining dimly by  
10.30 and brightly most of afternoon.  
Midday hours oppressively warm & humid;  
cool at noon & eve.

Mosquitoes bad. Iris blooms at base.  
Hylas, Garden Toads & Tree Toads were  
still in full cry up to the night of  
May 20. Since then I have not  
heard one. They do not often become silent  
so generally & abruptly. Thousands of  
Garden Toad tadpoles have just hatched  
in our little artificial pond. A Wood Frog  
haunts it. I hear no Frog voices anywhere.

First Yellow-bellied Cuckoo, coming in Cedar  
Park with a Black-bellied cuckoo in  
them.

Magnolia Warbler ♂ in apple tree in  
our back door - the only north-bound migrant.

Spent most of day close about house  
working with George in flower garden  
& watching Zeph the shearer barn.



Concord.

Ther Tuesday, May 28, 1918 Wea  
Varied

Alternations of cloud & sunshine  
with a brisk shower at 8.30 a.m.  
& lighter ones in afternoon. Day  
warmer & sultry when sun shown.

First Night hawk an unseen bird  
heard peeping, apparently on wing.  
at sunset. This the only  
north-bound migrant noted.

Few local birds heard than usual  
although their song fairly enough.  
Saw an im & Redstart chasing a ♀  
near bird bath & later in oaks  
behind barn where the pair are  
evidently settled & preparing to breed.

Spent most of day close about house  
working near George's influence. Both  
as sitting in barn watching Zeph's  
shredding.

In late P.M. Burdick, mothered  
me up to Duron's to get more  
Barnard eggs. Gilbert tried first to go  
but could not start his car.

Concord - Boston - Cambridge.

Ther Wednesday, May 29, 1918 Wea  
North-bound migrants in Garden. Dull

Cloudy with chill easterly wind. A few  
rain drops falling now & then.

Birds in Cambridge Garden: At least  
8 adult Robins on lawn & in jungle, 3 or 4 of  
them singing at once for half an hour or so  
at evening; a Swainson's Thrush, ♂, singing  
faintly & faintly in lilacs; a Black-hell W.  
♂ & a Red-eyed Vireo ♂, both singing  
rather freely; 2 Redstarts, both in ♀ pl. but one  
a male bird, singing a little; 2 Yellow-bellied  
Flycatchers, one calling loudly & incessantly for  
half hour, other answering it occasionally, both  
in lilacs at rear of house, one would seem they  
uttered the pee-e call only; Blue Jay on nest  
in Hawthorn; ♀ Brown Grackle on lawn; 2  
Silent Hunt Sparrows.

To Boston by 8.05 Train fr. Concord,  
sitting with Geo. Keyes. Saw Raymond Greenman  
at Station. Spent most of forenoon in one  
office. Called on H. K. Brown in his. Lunch  
at Thompson's. Then to Touraine to call  
on Dr. & Mrs. Gehring. Sat with them this lunch  
Half hour with doctor after it. Out to  
Camden Ave. by 3.30. Half hour talk with C.  
Nephew home in Garden "bird watching". Saw  
Harry Spelman passing & walked home with him  
& K.S. Remained home to see after supper.



Cambridge

Ther Thursday, May 30, 1918 Wea Dull

Cloudy with slight easterly wind  
Heavy rain overnight & light drizzle early  
this morning.

Garden birds 12 + ad. Robins 4 or 5  
singing at once; also young of two sorts,  
Bob-tailed & fully grown; Swainson's Thrush  
♂ singing freely and indeed almost ceaselessly  
all day long; 2 Redstarts in the garden but  
one a ♂ singing well; Baltimore Oriole  
Red-eyed Vireo, Black-sp. Warbler  
Chiffy singing fitfully. Silent Yellow  
bellied Flycatcher, Blue Jays (one on nest)  
Grackle & Swift on wing; 2 Crows in elm  
2 or 3 House Sparrows.

Spent most of day in Museum writing  
letters. Called on the Spelmans in their  
garden 5 P.M. Swainson's Thrush singing  
& Silent Yellow. bellied Flycatcher there.  
Harry S. walked back with me to hear  
a grand chorus of Robin voices, almost  
dying at times. Nothing like it for  
many years. Robins superabundant elsewhere  
in Cambridge, this land.  
Walter Dean spent evening with  
me in den

Cambridge Concord

Ther Friday, May 31, 1918 Wea Dull

Forenoon rainy; afternoon clearing  
with sun shining duly & fresh westerly  
wind.

Garden birds: Cornelia Robins, many  
singing. Swainson's Thrush, Rose breasted  
Greenlet, Red start, Black. poll warbler  
& Red-eyed Vireo in full song. Only  
2 or 3 House Sparrows. This unusual  
scarcity accounts, I believe, for the  
exceptional abundance of native birds  
but even that will not satisfactorily explain  
the unprecedented flood of Robins.

Leaving home at 10 a. m. Gilbert & I  
motored back to Concord stopping at  
Village Center for food supplies. Reached  
Farm by noon. In P.M. strolled  
through Pulpit Rock woods & thick field  
looking for Gypsy larvae. Hardly any to  
be found except on crest of ridge in  
Pulpit Rock woods where the large  
white oaks are somewhat infested.  
Elsewhere the foliage looks better than  
for many a year especially where  
close about farm.  
Out again after supper transplanting things.



Just Strawberries Concord

Ther 89° Saturday, June 1, 1918 Wea Fair.  
 Hour: When arrived

Partly cloudy, mostly sunny. Oppressively warm & humid. Light thunder shower at sunset. Tree Toads & Green Frogs singing freely after dark. Mosquitoes savage close about house. Iris shows a little frost in best.

On May 29 we picked a pint of ripe ones. Bearing Strawberries & on 31<sup>st</sup> nearly a quart.

After giving up all hope of a Thrush here this year I was delighted to hear one singing at daybreak close to my window. He sang all day in a near by yard.

The only north-bound migrants were 2 Magnolia Warblers, one singing, the other calling, in apple tree by bird bath. In this bath came birds of various kinds at all hours.

Sometimes it held 3 or 4 at once. I saw in it Robins, Chipping, Indigo birds ♂ & ♀, Chestnut sided W., Goldfinch, 2 Song Sparrows.

Heard Tree-toad near cow pasture & House Wren in Birch Field. Also a Night hawk peeping near house.

Spent entire day out of doors working in flower gardens. Left carpentering. Gophers fleeing in garden.

Concord

Ther 82° Sunday, June 2, 1918 Wea Fine

Brilliantly clear with light N.W. wind. Very warm but without the oppressive humidity of yesterday.

Iris show passing. Hosts of Dragon Flies & a few Swallow-tails & Butterflies.

No new birds. North-bound migration apparently about over but a Magnolia Warbler still lingering & singing freely today in Cedar Park & in an apple tree close to house (by bird bath).

Least Flycatcher singing in oak grove behind barn, Yellow Warbler & Oriole in dooryard close. 2 Indigo birds within earshot of house & another at Ritchie's place.

Red-shouldered Hawk soaring & screaming high in air. Many Warblers (Black thr. Green, Minutella, Down birds) singing in Run & Pulpit Rock woods. At least

4 Maryland Yellow throats scattered about.

Walked to Ritchie's place, down Run & then Pulpit R. woods soon after breakfast. Luxuriant foliage & plenty of birds in full song. Wrote letters after this walk. Gardening in late P.M.



Concord

Ther Monday, June 3, 1918 Wea  
Dead Rabbits in well Fine

Cloudless & warm with fresh, dry  
westerly wind. Our fields are now  
suffering for lack of soaking rain of  
which little has fallen during past month.  
Sticky locust in bloom. Iris is pasturing.  
Plenty of ripe strawberries, both  
"can-bearing" and "wildwood".

First Whippoorwill heard at 9 last night

"Pier Warbler to-day (Pulpit R. finis)  
Both birds must have arrived long ago.

Magnolia Warbler still singing near house.

Pair of Barn Swallows entering our  
old barn many times pecking together  
one on rafters & twittering vigorously.

Phoebe nest in cellar full of fledged young.

Spent entire forenoon with Zeph, Garry  
& Dennis Corwin, Jr., spraying oaks  
in Pulpit Rock woods. Not many Gyps  
on these trees. We found almost none  
elsewhere. Opening the old well in Birch  
field we found floating in it two dead  
Cottontail Rabbits. Water about 5 ft. below  
surface of ground. One in another well last year  
sprayed for an hour in P.M. & later  
watered flower beds & sowed June beet.

Concord (Farm & Ball's Hill.)  
-Herit Buds 4/40p.

Ther Tuesday, June 4, 1918 Wea  
Cabin entered & few things taken. Fine

We entered everything of value to Farm.  
No Gyps here. We found many other near B. Hill.  
Clear & cool with fresh northerly wind.

Leaving Farm at 8.30 Zeph & I walked to  
Ball's Hill where Gilbert joined us with his car.

We left everything safe & found them on May 25

but found this morning that some one had

entered two of the cabins, smashing the padlock

on Gilbert's call room door & forcing open a

heavy oak shuttered window of chestnut (or

Torbus) cabin. From former my old Smithy

& Wilson's records had been taken, from latter

a folder had fallen. We miss nothing else.

The marauder's footprints (those of a big man) &

& the marks of his canoe prow showed where

he had landed in the boat pit. He was

considerate enough to commit no wanton damage

& to leave door & window shutter closed. He

had battered locks on old boy cabin & my cabin

in vain attempt to break them open.

We spent forenoon in clearing out all the

cabins of everything worth keeping. Zeph drove

down in P.M. & brought it all to farm.

I spent most of P.M. working in flower beds.

Hermit Thrush singing in Birch field, Swainson's

Thrush & Lincoln's near Ball's Hill. A few

Redwings, a Green Heron, a Great Blue Heron, a Kingfisher,  
Song Sp. Heavy load of G. Heron, Black-bellied Gull  
& Green Heron at or near Ball's Hill.  
Walked up road to Garden house & saw  
Downy Woodpecker, Starling, Flicker, House Wren,  
heron, aff. to them. Robins singing everywhere  
of one & two. Many other birds.

Could not find our Pulpit Rock woods. Carver all about Ball's Hill. Looked closely for Gyps.

could not find our Pulpit Rock woods. Carver all about Ball's Hill. Looked closely for Gyps.



Concord

Ther Wednesday, June 5, 1918 Wea Fair.

Partly sunny, partly cloudy. Light, cool easterly wind.

Picked 3 quarts ripe Wildwood Strawberries (much larger than last year & of delicious flavor. - various & rather acid.

Hellows. bellied Flycatcher calling from very many times at 4 P.M. and again after sunset. Heard him distinctly from house. He seemed to be in the hem near foot of lawn. This may first spring heard for Concord.

Two birds in (amb. garden May 29, one on 30<sup>th</sup>

Local breeding birds of various kinds singing delightfully all day long not far from our farm house. Their music was never more grateful to my ears which, fortunately, are quite as keen as ever & discriminate it as for many years past. There are no House Sparrows hereabouts now to mar it.

Spent most of day looking over & pulling away the various things brought from Ball's Hill yesterday. Also did a little gardening. Did not get in woods at all.

Concord

Ther Thursday, June 6, 1918 Wea Dull.

Cloudy & misty with light easterly wind. Drizzling rain 3 - 5 P.M., the first for several weeks & much needed.

No north-bound migrants noted. None if not quite all must have passed by now.

Local birds singing freely all day. Heard the Hermit Thrush, a Veery & the

Scarlet bird fr. house at noon. A

Red breasted Grosbeak singing chirpily

There. One chest-banded Cuckoo continues

to sing all day in the dogyard where

but he seems to have neither mate

nor nest. The same is true of our

House Wren. All about 3 male Redstarts

can be heard at all hours near house

etc. have two or three pairs of Cat-birds

on Yellow Warblers, a Maryland Yellow Warbler

a Song Sparrow, a Towhee & a Towhee

claim to have. Also two or three birds

in garden etc. Hearing birds but

one flower but daily.

Spent afternoon with Left & George

hauling boards & rearranging things. In

late P.M. went to see some flowers.

At home to find a few orchids

stagnant & rotten. Took them to the



Concord - Cambridge

Ther

Friday, June 7, 1918  
First ripe cherries

Wea  
Mixed

Heavy rainfall continued this last night & up to noon to-day, accompanied by violent S. W. wind. Afternoon sunny with cooler, more westerly wind.

Birds in Cambridge Garden, late P. M. 2 ad ♂ Robins & in full song, several full grown young; Red-eyed vireos & pair of Blue Jays feeding unfledged but well-grown young, in nest in Hawthorn; several Starlings & House Sparrows in cherry tree eating its fruit already nearly ripe; Swifts heard at noon.

Gilbert & I spent forenoon at Farm house putting things away for the summer etc. After dinner we packed 7 boxes of strawberries & I got some Mountain Laurel in full bloom. Motored to Cambridge via Bedford, Mass. & Arlington 2.30 - 3.40 P. M. Found C. greatly improved in health & spirits. Her nurse, Miss Greenough, leaves to-morrow.

Called on the Spelmans before supper & on the Fairchilds after it.

Plenty of cherries ripe & ripening in the new stand house & birds feasting on them.

Cambridge - Boston.

Ther

Saturday, June 8, 1918

Wea  
Fine

Brilliantly clear & delightfully cool with strong N. W. wind.

Garden birds: Robins, Jays, Starlings; House Sparrows, Swift, Grackle, 2 Crows.

Motored to Fries camp. Left 9.30 A. M. Saw Sam. H. there. Thence to Boston via Subway. Got glasses at Prichard & Smith. Reached our office at 1 P. M. Then until 3 P. M. Saw Eschscholtz & Barthick. They read letter from Lydia A. Brewster & advised me to answer it briefly & cautiously, without discussion of its evidence - which I did by dictation to Salisbury. Lunched at Thompson's.

H. K. Brown came to our office at my request 2.30 P. M. We talked over matters relating to various Kettle trusts etc. He promises to have them settled as soon as possible. A guardian & administrator for ~~unfortunate~~ <sup>unfortunate</sup> man will first be appointed in England.

Home by 3.30. Ad. ♂ Oriole feeding young in nest high in elm over street, near Mr. Harris's house, Merce Circle. Saw him go to it. Saw a Shrike in back C. playing Solitaire. E. ready



Cambridge.

Ther

Sunday, June 9, 1918

Wea  
Fine

Mostly sunny with some cloudiness in P.M.  
Warmer. Light westerly wind.

Garden birds, Robins, a Red-eye &  
an Oriole singing; Robins, Starlings (12+),  
House Sparrows (a few) & one Grackle  
eating cherries in the near back house;  
Goldfinch & Swift on wing. Jays feeding  
young in nest. Yesterday I saw a Robin  
drive one of the jays away from its  
(the Robin's) nest in cedar. This morning  
found fresh fragments of shell of fresh eggs  
of Robin in two places on curbstake within  
50 yards from cedar! So the jays are  
at their old pilfering tricks, I fear.

Two adult Screech Owls, both in red pl.,  
perched within 6" of one another in top of leafy  
black birch in Birch Grove, were shown nearby  
Perry at 9.30 A.M. A clamorous Robin had  
betrayed their presence to him. Robins  
continued to scold them all day long. At

noon & later we could see only one Owl.  
Walter Dessen, Miss Brown & two Redies  
recruits came to see us at 12.40.  
Miss Allyn dined with us. C. at dinner  
after going on train to church.  
George Simmons wife & boy came with  
Sarah Angus in P.M. Gilbert came also,  
to help pack my trunk for Bethel.

Cambridge - Bethel. Perfect foliage all the way

Ther

Monday, June 10, 1918

Wea  
Fine

Bleak & moderately warm with  
light westerly wind.

Spent early forenoon in house &  
Museum. Thence to Boston to take  
12.50 train, Eastern Division, for  
Portland. Reached there about 4.20  
Crossed city by trolley car & took  
5.10 train on Grand Trunk. After  
the customary manner of most  
trains on this railroad it so bordered  
one the way that it was almost as  
home late when we reached Bethel  
at past 8 o'clock. Dr. Gehring  
& George Farnsworth were at station  
to meet me. We walked up the  
hill through village to Miss True's  
house where I am most comfortably  
quartered in H. W. chamber one floor.  
Mr. Bingham, Miss True &  
Miss Pease now occupy it & gave  
me a cordial welcome. At the  
Doctor's house I saw Mrs. Gehring &  
met George's wife & daughter for first  
time

Perfect foliage all way Boston to Bethel. No signs of insect damage (all in oak woods) or of birds' nests in any where, even in oak woods. No signs of insect damage (all in oak woods) or of birds' nests in any where, even in oak woods.



## Bethel

Ther Tuesday, June 11, 1918 Wea  
Fine

Cloudless, almost windless; rather warm.

Walked down to Inn with Doctor after breakfast & spent hour or more there. An Oriole, a Warbling Vireo, 2 Red-eyes, 2 House Wrens, several Purple Finches, Least Flycatcher & Chipping, one Yellow Warbler, a Redstart & a Grackles heard singing in trees or yards along village street.

With Mr. Bates, the Doctor & I went to the Shack in mid P.M. & spent half an hour there. Five birds seen or heard; only a Hermit, a Redstart & a Magnolia Warbler singing. A Star-nosed Mole & 3 tiny Sparrows with long, down-curved proboscis-like snouts lay scattered about dead on cement floor of Shack just only one (a Shrew) showed any mark of injury. What killed them we could not guess. Visited mill pond near brain full & very attractive. Spent evening at Dr. G's in showing lantern slides in lounge.

Five birds near house. one Vireo, a Redstart, Red-eye, Purple Finch, Junco, White Throat, several Robins, Chipping etc.

## Bethel

Ther Wednesday, June 12, 1918 Wea  
Rainy

Dark cloudy & cool with frequent & often heavy showers of fine rain. Foliage of both deciduous & evergreen trees unusually rich & luxuriant. No signs of insect depredations, Orange Hawkweed in flower. Holes strawberries ripe.

To Inn & music room in forenoon. Walked back with Doctor. He & I spent much of afternoon in his little new greenhouse planning its further development. Home evening gathering in lounge, breaking up at 10 P.M. The Doctor has given up most of his practice & has only two or three patients here now, all at Inn. He & Mrs. G. alone in "Great House". Fuller in Brown Cottage. Greg & family in Gray Gables. Various changes in village. The Hoshigs out of business. Ceylon Rose still living but feeble. The "Twins" the same. All young men gone to war. Village still prettier than ever. Only a few House Sparrows there.



# Bethel

Ther Thursday, June 13, 1918 Wea  
50° min. 7au

Partly cloudy, partly sunny, very cool with high N. W. wind. An autumnal - like day more like one of early November than of June.

Spent most of forenoon in Bethel village looking up old acquaintances there. Called at Ceylon Ross's store & bought 2 pr. wood socks @ \$1.75 (they once cost only 50¢); Waited at post office until Chas. Davis came for the mail with his little stage, now a Ford car which he runs daily to Upton in two hours or less. He tells me that Herman Sargent is still living - that he fishes a little for pleasure. Lakeside Hotel is closed & for sale; the Lake House has been given up of late by Harry Crocker. Dutton will occupy his camp this summer.

In afternoon walked through fields & woods to Fuller's camp with Dr. G., Mr. Sharp (Dexter's cousin), Mr. Bates & Mr. Bingham. Fuller absent but we found his key & sat under his porch for some time. Evening spent in parlor at Dr. G.'s talking & telling stories. Very pleasant.

# Bethel

Ther Friday, June 14, 1918 Wea

Partly sunny, mostly cloudy with strong N. W. wind & occasional brief showers. Very cool through last night & this much of day.

Forenoon spent mostly in down writing up diary & bird notes.

In afternoon the Doctor & I roamed about his grounds & neighboring woods, finally coming to the Shack where we built a fire & sat for an hour talking. Only birds singing within hearing then a Hermit, Redstart, Magnolia W., Ovenbird, Solitary & Red-eyed Vireos. All the dead moles & shrews gone except one with one. Another dead Star-nose in path 100 yds. from Shack. The Doctor tells me he traps Moles, not Star-nosed but quite as large, in his lawn which they damage. Two years ago he saw a Pilated Woodpecker enter a hole where its mate had been nesting. This

I saw to-day. It is about 18 ft. above ground in trunk of medium-sized Yellow Birch & altogether 10 ft. in diameter. The Doctor was standing around it or near it; when bird alighted at hole & looked in for a few times & then went in & stayed a rather long time. It is old hole & I think it larger. Another hole a 10 ft. high up in tree

Saw grouse - another full moon & a cold day

called at the Hermit's after supper during the day



Bethel. to Cambridge

Ther Saturday, June 15, 1918 Wea  
7:15 am

Clear & cool with fresh westerly wind.  
A chipping Sparrow roused me at  
sun rise by noisy tapping & fluttering against  
lower sash of my chamber window (facing N.)  
He has been at it once or twice daily ever  
since I came here but never for more than  
a few minutes each time. His bill strokes  
against the glass or sash sound much like  
a sharp tapping on a door & are loud  
enough to wake a sound sleeper. His fluttering  
is neither violent nor prolonged. He does  
not seem excited & often pauses to peep in  
through glass or to look fixedly in other directions.  
After dressing I walked up Paradise road. Many  
birds singing. Alder Flycatcher calling.

Breakfast at 7:30, left Bethel at 8:50  
& reached Portland at 10:55. Got across  
city just in time to catch 12:20 train  
for Boston. Arrived there at 4 P.M.  
& at our Cambridge house at 4:30.

Looked out of car windows. Mass. of many  
fields white with daisies & yellow  
with buttercups. Here & there saw large  
patches of orange Hawthorned-berry orchard.  
Many farms at Scarsboro marshes.

Cambridge.

Ther Sunday, June 16, 1918 Wea  
Disappearance of haphazard insects Time

Clear & rather cool with light west wind.  
Although no trees within our grounds have been  
sprayed this year there is not one showing  
any signs of insect pests. The foliage of all  
not injured by cold last winter is more  
lustrous & greener than for many years past.  
As noted during my recent trip to & from  
Bethel these happy conditions seem universal  
throughout eastern Mass. & N. H. and western N.Y.  
Everywhere <sup>there</sup> the Brown Tail are practically  
extinct, the Gypsy & Blue Leaf Beetles nearly so.

Garden birds, 2 Robins singing well, 8 or 10  
ad. & juv. in cherry trees; Red-eyed Vireo ♂ & ♀  
Warbling Vireo ♂ & ♀ heard twice in jungle; 9 ad. & juv.  
Oriskany ♂ & ♀ (uncommonly fine singer); Blue Jay,  
ad. screaming, (young gone for nest in  
hazelnut tree Percy saw them having it on 14<sup>th</sup>)  
Starlings, 15+ eating cherries greedily;  
Grackles, 2 in cherry tree; House Sparrows  
8+ ad.; Kingbird, 1 perched on tree top in  
jungle, calling; Swifts 2 on wing at eve.

Spent most of day in Museum, writing  
letters. Saw Harry Spelman in his garden.  
Late P.M. Miss Allie dined with us on  
back piazza. C. at table time.



Cambridge

Ther Monday, June 17, 1918 Wea  
Fine

Clear & cool with light westerly wind

Garden birds, 2 Robins singing, 8 or 10 ad. & young in cherry trees with a dozen or more Starlings & as many House Sparrows. Baltimore Oriole also eating cherries & singing freely betimes. This, no doubt, is the bird I saw feeding young in nest at Marsh Church on June 8. He has a rarely musical voice & unusually varied notes. We heard also in the garden to-day a Red-eye, 2 Grackles, a Kingbird & a Wood Pewee, the last heard only once. At evening 2 Swifts were circling about overhead with joyous twittering. Later still I heard plainly & many times the sharp flight call of an unseen Night hawk, doubtless one of their breeding on Boston roofs.

Spent most of day in Museum writing letters. C. walked twice with me in garden & after supper we called on Mrs. Cobb. C. is wonderfully improved in health & spirits & still gaining steadily.

Cambridge - Concord.

Ther Tuesday, June 18, 1918 Wea  
Fine

Clear & cool with light westerly wind  
Birds in Cambridge Garden: Redstart 5 in x singing in junger 9-10 a.m.; Red-eye do. Flicker on lawn front of house probing turf with bill, apparently for ants & getting them in abundance, it would seem; Robins, Starlings & House Sparrows as usual; Goldfinch heard calling, Jay do.  
Birds at October Farm, Concord.

2 ♂♂ House Wrens singing front of house  
White-thr. Sparrows " " near Cow Pasture.  
Vireo, Maryland Yl. Thrush, } " in Berry ..  
Chestnut back Warbler }  
Orochi, Redstart (3), Chipping, Song Sparrows 2 or 3  
Blackburnian Nuth. ♂, Black & White Creeper,  
Goldfinches (♂♂♀) Indigo Birds (2 ♂♂\*), Crested Fly  
Hummers ♂ & ♀, seen or heard close to house  
mostly about bird bath in dairy yard.  
Whippoorwill singing 10.30 P.M.

Gilbert & I motored to Concord in A.M., via Abington, Long., & Bedford. Spent most of P.M. weeding & watering flower beds. Walked down road after supper & called on Mr. Horner's son & family. Mosquitoes bad. First green peas. Strawberries at their best.



Concord.

Ther Wednesday, June 19, 1918 Wea  
Fair

Partly cloudy, mostly sunny. Very cool with light N.E. wind.

Working in flower beds & small fruit plantations most of day, weeding, watering, pruning etc. Harry Richardson rode down on his bicycle to see me in afternoon. We spent an hour looking for Gypsy caterpillars in Pulpit Rock woods & Beech Field but found only two or three there. Many of their nests still contain unhatched eggs. Near Birch Shed, on the trunk of a small white oak we found upwards of fifty full grown larvae, some beginning to pupate, our "wilting". Richardson has just returned from 150 mile motor trip in Mass. & N. H. during which he saw no caterpillars eating foliage anywhere. To day, along roadside near New Haver, he saw some bunched along a wall that were half suffocated & swarming with Gyps.

Black-burnian H. & 2 D. virens singing in Pulpit R. woods. Doves flying over Beech Field.

Concord - Cambridge.

Ther Thursday, June 20, 1918 Wea  
38° 58° 48° Autumnal cold. Fine

Brilliantly clear with fresh N.E. which died away at night-fall. Coldest day & night of preternaturally cold month. 38° at Concord at daybreak, 48° at Cambridge 9 P.M. 58° highest for day. Everything betokens a killing frost to night, at least inland. This, coming now, would mean utter & widespread ruin to crops - including ours at Concord.

Spent early forenoon at Farm & Ritchie place. Corn field at latter most flourishing. Everything else looking exceedingly cold. Gilbert & Burbank packed 17 quarts of fine strawberries. Raspberries beginning to ripen. Birds singing like mad. Air ringing with their delightful music at Farm.

Motored to Concord & thence to Cambridge via Lincoln, Hollis Pt. Reservoir & Peely Corner 10.15 - 11.30 A.M. Folio perfect whole way. Many fields white with daisies & yellow with buttercups.

In P.M. motored to Mr. Abram with C. Talking roses, wild flowers & ferns to put on father's mantels & Henry Purdie's grasses. Wrote letters later. Dined at Arley Farm in Peace River after supper.



# Cambridge - Wolfboro.

Ther Friday, June 21, 1918 Wea  
Fair

Forenoon sunny; afternoon cloudy.  
Cool with fresh southerly wind.

Arthur Sutabrook & I, with Evans,  
left Boston by 9. A. M. train for  
Winn which we reached about 12.30.

Judge Bell & his daughter joined us at  
Nashua, Judge Young at Lacrosse.

We were met at Winn by Galloupe,  
Mrs. Haley, Miss Pimman Mr. & Mrs.

J. K. Bond & daughter. They had come  
over in a small but comfortable

seam steamer. The trip back across  
the lake was pleasant despite a

rather high wind & rough sea.

Rattlesnake Id. a sad spectacle for  
its once attractive forests have been

cut within the past year & nothing  
remains but torments & ruin. Saw an

ad. Bald Eagle perched on bleached pine

Christmas meeting in academy 3-5.30

Dinner cooked & served by school girls

5.30 - 6.30. Graduating exercises in

town hall 8-10. All essays good &

some remarkably fine. The very best

by Sargent's son. Singing delightful.  
Christmas met again 10-12.15 midnight,  
at Mrs. Healy's.

# Wolfboro - Cambridge.

Ther Saturday, June 22, 1918 Wea  
Stormy.

Incessant heavy rainfall began about  
midnight last night, & continued through  
forenoon of to-day. Everything thoroughly  
soaked by it. Surface water pools in  
grass fields & streets half flooded. Very  
cool despite S. W. wind.

Wolfboro to Boston via Rochester Portsmouth  
& Eastern N. H. River. Little or no signs of  
frost along this route. Yesterday it was  
deplorably evident throughout most of  
Merrimack River valley where our train passed  
countless fields of corn & potatoes, some  
of tomatoes & many fern-grown woodlands  
where it had cut down or blackened.  
pretty much over tender land.

Reached Boston about 1 P. M. Percy met  
me at North Station. Found Mary Greenough  
at lunch with C. & E. Spent afternoon  
in home, reading & writing. Hand  
writing reading.

Garden birds. A few Grackles, Robins, Starlings  
& House Sparrows eating the few remaining  
cherries of which there has been but a  
slim crop this year.

Almost no birds seen or heard in Wolfboro. Weather doubtless silenced them.

No signs of winter damage to foliage anywhere noted between Wolfboro & Boston, yesterday & to-day.



Cambridge

Ther

Sunday, June 23, 1918

Wea  
Dull.

Mostly cloudy with fresh westerly wind & occasional light showers. Still very cool. Wood fires blazing in all our living rooms.

Garden birds. Robins, Red-eye\*, Flicker\*, Blue Jay & Goldfinch heard, also Kingbird. On lawn front of house were assembled at one time in forenoon 4 ad & 6 young Robins 1 ad & 2 young Chippies, several House Sparrows. The Chippies probably nested in one of the dense spruces on back of lawn for I heard the nest bird singing there repeatedly in May.

Percy has seen the brood of young Blue Jays in the lilacs since they left the nest but only the old ones have been seen by me.

Spent most of day in Museum writing letters by a bright bird fire.

Miss Allge & Miss Hoppins at dinner with C., E. R. S. & me. Mary Almy called after supper to get us to take war saving stamps. E. took on & I thank.

Cambridge - Boston - Concord.

Ther

Monday, June 24, 1918

Wea  
Fine

Excellent sunshine every now & then obscured by cloud masses drifting across the sky before a light westerly wind. Just comfortably warm.

To Boston at 10.30. At our office most of time until 1.30. Signed quarterly Police cheques & visited Safety Vault to cut coupons for Liberty Bonds & to deposit saving stamps (twenty of them) which our postman, Coogan, brought me this morning.

After meeting at Thompson's room to Samuel Hall Square & bought an "Iron Age" to keep till water for farm. Lots of people buying tomato plants there.

Took 2.30 train to Concord where Gilbert met me. After reaching farm strolled about for an hour. After supper walked to Ritchie place. Birds.

Singing freely included Robins, Vireo, Red-eye, Redstarts, Indigo birds, Catbirds, Towhees, Chestnut sided Warblers.

Strawberries passing. Many raspberries ripe. Currants ripening.



Concord

Ther Tuesday, June 25, 1918 Wea  
Fine

Clear with light S. W. wind. Agreeably warm thru day but cool at morn & eve.

Birds singing freely all day. No falling off as yet in their delightful music hereabouts. Near house I heard Robins, Cat bird, Indigo bird, Song Sparrows, 2 Redstarts, Red eye vireo, Chestnut sided Warbler, Maryland Yellow - throat, Towhee Goldfinch, Crested Flycatcher but no Wren to-day & but one yesterday, although two were singing here last week.

In Pulpit Rock pine woods heard a Pine Warbler & Black thr. Green, a Blackburnian & a Solitary vireo & Down birds; in Birch Field a White thr. Sparrow (9-11 a.m.), Hermit Thrush & Indigo bird. In Presumpscott a Blackburnian, Black thr. Green & Towhee; at Ritchie pt. a vesper Sparrow & Bullock. Started 6 Woodcock from cart path in Berry Pasture 6 P.M. He flew fast & with the shrill.

Spent forenoon with Teph cutting back stables in south end Green Field. Strolled through Berry Pas. & Ritchie place in late P.M.

Concord

13 Ther Wednesday, June 26, 1918 Wea  
Fine

Brilliantly clear with light, cool easterly wind. Very cool at morn & eve.

Bird music less in amount & fervor than that of yesterday. Chippies wholly silent. Two Cat birds singing ecstatically at evening, one front of house, other at Ritchie place. Very fluttering in run at 8 P.M. No Wren to be heard anywhere. Both our birds seem to have disappeared. I doubt if either secured a mate. Much the same thing happened here years ago. Then there was only one ♂ who finally went away & returned a week or two later. Both males here this month spent most of their time bringing bare feet & carrying sticks into post boxes near house.

2 Crows coming close about house frequented by vireos Robins. 2 men in Pulpit Rock woods accompanied by noisy young on wing. I shot two at latter with 22 cal. rifle but missed both shots.

Spent most of day near house with Burbank who was making chicken yards & Teph who cut down dead trees. Puffer came to saw 8 cords of wood at Ritchie place & George helped him. They worked about 7 hours.



Rhamnus frangula &

Concord

Ther

Thursday, June 27, 1918  
Deer

Wea  
7 in

Early morning cloudy; after 10 a.m.  
brilliantly clear with light, cool E. wind.

Birds singing well all day. Those heard  
close about our house included a  
Solitary Vireo who sang for half an hour  
in forenoon, at first in apple trees, then  
in oak grove at rear of barn. Yesterday  
I heard a Warbling Vireo sing twice  
in trees over road near big elm.

I took down the pole box fr. of house  
this morning. The Swallow's nest was  
tenantless & full of the young birds excrement.  
Half an hour later two Swallows came &  
circled many times about when it had  
been, evidently looking for it. I have never  
known this happen before yesterday. Hitherto  
once the Swallows get their young on wing  
they do not return to the nest box until another  
year.

Left reports two parties of Deer (3 & 4) seen  
near Benson's a few days ago & fresh tracks  
of two crossing Ritchie's corn field today.

Spent forenoon near house with the men.  
Bushman putting out chicken coops, left morning.  
George working the strawberry bed.  
Mothered to village in P.M. to call on Miss  
Gorton. She showed me a solid patch several  
yards square of a yellow-flowered violet  
new to me. Also a new shrub with red berries.  
Belle had sprang up near a wall on hill top.

Concord

Ther

Friday, June 28, 1918

Wea  
Dull.

Dark cloudy with light, chill E. wind.  
7 in misty rain falling after dark.

Robins, Cat birds, Red eye, Redstarts (2/  
Joshua, Chestnut sided W., Indigo bird  
singing freely near house this day.

White thr. Sparrows at our pasture singing  
occasionally at our house. Thence the  
near Pulpit Rock in full song at even.  
Hairy W., silent & I saw one & Maryland. H. th.  
in locusts fr. of house. Green Heron flying  
high S. over garden & strawberry beds.  
Red-eyed vireos flying down to bird  
bath striking surface of water hard  
with breast & belly, then preening in  
bush to give wings & shake tail.

It seemed to get a good chewing there.  
I cannot recall ever seeing any vireos  
bathe in any other manner. It is  
equally characteristic of Flycatchers at  
least Phoebe & King birds.

Working all day in flower beds  
transplanting, weeding & watering.  
Left & Burbank finished chrysanthemum  
George cultivated area & named lawn



Concord - Boston - Cambridge.

Ther Saturday, June 29, 1918 Wea  
Fine

Foggy morning followed by clear, calm,  
comparatively warm day.

In morning by 8.05 train fr. Concord. Sat with  
Geo. Myers. On reaching city walked to Park St. Pollards  
to enquire about R.I. packets. Thence to our  
office. Spent most of time there up to 3 P.M.  
Talked with Buttrick & Arthur about estate  
instruments. They urged the exchange of our  
Fisk Wharf bonds for Mass. State bonds. As we  
already hold 323,000 of the latter I refused to  
assent to purchasing more. They both consider  
the Fisk Wharf safe enough.

H. K. Brown came at my request for a short  
talk. He says all the Jefferson - Kettell payments  
fr. Legation etc. have been duly paid. The Geo. B  
K. Estate cannot be settled until administrator  
is appointed in England. He is arranging this.  
Lunched at Thompsons. Visited Pollard's Grays  
and Stone & bought speaking fall etc.

Home by 3.15. Found C. on back piazza  
looking better than ever. She now calls on  
neighbors & runs a lawn mower a little.  
Molly (Gold.) Harwood & her husband (ex. chd.)  
went through garden with us. They are pretty ex-  
cuse. In regard letters from David one of  
after supper

Cambridge.

Ther Sunday, June 30, 1918 Wea  
Fine

Bright sunshine all day. Forenoon  
calm & warm, afternoon cool with  
light easterly breeze.

Garden birds: 5 or 6 ad. Robins (one in  
full song) and as many young of various  
ages including one unable to fly which  
Miss Devens found on sidewalk &  
brought in to me; Red-eye singing all  
day; Chipping singing fitfully & either  
this or its mate feeding 3 full fledged  
young in shrubbery by museum; Goldfinch  
singing sweetly; Kingbird calling in  
jungle; Jay followed by full grown  
young; Flicker probing for ants in  
cracks of stone flagging front of house; Crows heard near at hand, early morning.

Spent most of day in Museum  
writing letters. C. went in town to  
church with Lorry Fulbright in  
late P.M. walked with me about garden  
& jungle for half an hour or more.  
We called on the Cott. Fullers this eve.



# Cambridge.

Ther Monday, July 1, 1918 Wea  
Concord birds identified. Fair.

Partly sunny, mostly cloudy. Light rain at eve. Warm & humid thro day.

Garden birds 6 ad 4 juv. Robins; ♂ & ♀ ad. Red-eyes; Chippy 2; 4 House Sparrows; Blue Jay; Kingbird (perched on tree top in jungle); ♂ & ♀ ad. Orioles together in apple tree.

To Gray Herbarium at 10.30 a.m. Look over specimens of the two plants obtained at Miss Eaton's last Thursday.

Neither was recognized by any of the Herbarium botanists who examined them with great interest. Indeed it took half an hour of study & comparison before they were finally determined. One proved to be *Rhamnus frangula* L.

The other *Rhamnus frangula* L. Both are new to the flora of Mass. although reported in a few localities elsewhere as introduced or escaped European plants.

Saw Mr. Cameron who gave me a pretty yellow-flowering aquatic plant. He says a "small crane" visits their lily pond daily. Young cranes coming near it. Walked home. At 2 P.M. C. & I started for Concord by motor to call on the Greenoughs, especially Ruth & her husband Bronson. They are making a greenhouse this. Home by 3 P.M. Wrote letters after that. Heard evening reading. Drove Fuller & Mrs. Cobb at supper.

# Cambridge.

Ther Tuesday, July 2, 1918 Wea  
Dull

Partly sunny but mostly cloudy. Dead calm, warm, humid.

Garden birds. Robins old & young, former singing well at eve.; Red-eye in full song all day; 4 Swifts, carolling overhead at sunset; Chipping Sparrows old & young; a few House Sparrows; a Kingbird calling.

The Tadpoles brought from Concord last autumn & now in pond by Museum all have well developed hind legs but still retain their tails. One of them has all four legs fully grown & a green frog-like head & eyes. This one was half out of water th. day.

To Harvard Sq. by trolley car at 10 a.m. Had two teeth filled by Dr. Andrews & hair cut by Mark. Drove 25¢ for deposit at Chas Riv. Trust. Home by 12.30. Spent P.M. in Museum & garden, writing Cheques, pruning etc. Heard evening reading. Called on the Spelmans in last P.M.



Cambridge. Concord

Ther Wednesday, July 3, 1918 Wea  
Fine

Brilliantly clear with light, cool  
westerly to easterly winds.

By motor to Concord via Arlington  
Bry. & Bedford, 10-11.30 a.m.

Shortly after our noon dinner I  
had a delightful & wholly  
unexpected visit from Ruthven &  
Martha Deane whom George brought  
up from Cambridge in his Ford car.  
They were here almost two hours.

We went to the Kitchen place &  
Pulford Rock, all over the town  
& then sat for half an hour or  
more in the house, chatting.

They had scarcely departed when  
Miss Mary Eaton appeared in an  
open buggy, drawn by a white horse.  
She brought me two plants of  
*Balthus pratensis* & some ladies  
delights. After that I worked  
 awhile in the flower garden  
& after supper watered them.  
Hermit Thrush, Veery & Pinchberry bird  
singing for half an hour at eve.

Concord - Cambridge

Ther Thursday, July 4, 1918 Wea  
Fine

Brilliantly clear for most part & delightfully  
cool at noon & eve. Although warm at  
midday. Light thunder shower 2 P.M.

Garden birds. A Red-eye & 2 Robins  
singing. 2 other Red-eyes, both adults,  
keeping close company & uttering soft chirp  
notes while the third bird was in song.  
3 Flickers together in jungle; and 2  
(perhaps one of this trio) probing cracks in  
flog wall & turf behind house, for ants.  
Chipping heard singing & King bird calling.  
Half a dozen or more House Sparrows.

Spent forenoon in Mrs. Newcomb's  
kitchen after motoring down from Concord  
(8.15-9.20) via Bedford, Lexington &  
Arlington. At 4 P.M. went with  
C. up Sparks St. to call on Ruthven  
& Martha Deane. Walked back with  
C. at 4.30 & then returned & sat in the  
Deane library with Ruthven, Martha &  
Mary Deane until 6.45. George joined  
us shortly before then. Enjoyed this  
talk exceedingly.



# Cambridge

Ther Friday, July 5, 1918 Wea  
62° inf. My Sixty-seventh birth day. Dull

Cloudy with strong, chill east wind  
& a little fine rain.

Garden birds. 2 Robins singing, several  
young of assorted sizes in shrubbery & on  
lawn; ad. Chippy singing, spotted young  
bird seen; 10+ House Sparrows on lawn;  
Red-eye & Kingbird heard calling &  
a Flicker "shouting" (feebly).

Spent most of day in Museum  
writing letters. C. had arranged to  
celebrate my birth day by having  
the Emersons & Mrs. Almy at dinner  
& Gus & Mary Deane to greet me  
afterwards. This was given up because  
I had had a bad night & did not  
feel equal to seeing & entertaining any  
one to-day. C. gave me Sartoris  
Thorne & E. a fine supper. The  
Almys sent in a set of small flags  
of all the Allied Nations in the war.  
Mrs. Scudder sent a pretty picture  
card from Chelsea.

# Worcester - Manchester.

Ther Saturday, July 6, 1918 Wea  
52° min. Fair

Partly sunny, mostly cloudy. Cool  
with light westerly wind.

Spent forenoon in Museum writing  
letters. Started for Manchester soon after  
dinner & took 3.15 train from Boston.  
Found Edward Mearns in smoking car,  
enjoying his cigar, and rode with him as  
far as Salem. He is eighty years old yet  
vigorous still. He gave him his third  
honorary degree of Doctor of Science, last  
month.

Dick Dana met me at Manchester with  
his Cadillac car. We motored direct to  
his house. Walked along beach & in woods,  
before supper. Low tide & a clean smooth  
beach dotted with delicate pink & purple  
stems of sea weed but with no stranded  
fish that we could find. A few Gulls come  
off shore. Banks of fog there. Woods gloomy  
& silent under a clouded sky. Robin &  
Chippy singing near house, Song Sp. by shore.  
Spent evening by harbor fire. Travers  
(Mrs. Durand, keeping house, she came  
in late in evening.



Manchester.

Ther Sunday, July 7, 1918 Wea  
Halle cast up on beach

Forenoon. Partly sunny; afternoon dark cloudy with light thunder shower followed by drizzling rain.

Gull voices in prolonged musical clamor mingling with the soothing note of surf on beach came to my ears at daybreak & later. Upwards of 300 Gulls spent entire forenoon along beach sometimes on its sands, & times swimming just beyond its breaking waves. Going to beach at noon we found a stream, thickly in places, with Pollack-like fish of one to three lbs. weight having slender, shapely, silvery scaled bodies, big mouths & formidable array to teeth. They were of same species as those I saw there July 2, 1916, when we were told they were Hake. There were then myriads of small, Sardine-like silvery fish.

Of these we saw only a few to-day. The Gulls had doubtless eaten most of them. A few of the "Hake" had been partly eaten by Gulls & crabs. Of the latter we saw only two on beach. I did not go to beach with Francis on forenoon. I sat by fire & read. He & I visited beach at noon. In later afternoon we walked along road about 1/2 mile to a pretty sea beach corner. Heard singing, Pine Warblers, Black-thr. Green, Chestnut-side, Purple Finch, Chiffchaff, Song Sparrows, Least Flycatcher, Robins, Red eye Vireo. Saw a Kingbird, many Barn Swallows along shore. Back to after noon tea. Half a dozen catfish including the Bishop of Ardara. Two young ladies at supper. This young woman was sent by postman.

Manchester - Boston - Cambridge.

Ther Monday, July 8, 1918 Wea  
Fine

Clear & rather warm with light northerly wind. Sea slightly veiled in silvery mist & looking its very loveliest. Voices of Sea Meros & note of surf again greeting my ears at daybreak.

Returned to Boston by 9.33 A.M. train. Dick Dana accompanied me. We parted at State Street, he to go to his office in Post Office Square, I to ours at 15 State where I spent remainder of forenoon. Deposited a lot of personal effects, got a new \$100. mortgage note at Con. Title Co. in exchange for old one taken from my box in Safety Vault, lunched at Thompson's, visited Dock & Fernald Hall Square to look at lawn mower for £.; called at Steinert's to find their place empty of customers & also rather barren of records; home by 3.30. Alice Stone & Sarah Ames called shortly after 4, Dr. Starnes about 7.30.

Garden birds. A Red-eye, a Robin & a Chiffy singing, a Kingbird calling



Cambridge - Concord

Ther Tuesday, July 9, 1918 Wea  
Fine

Clear & cool through most of day but cloudy after 5 P.M. with a light shower about 6. Wind S.W., strong at times.

Leaving home at 10.30 Gilbert & I motored to Concord via Belmont, Waverly, Lexington & Bedford. Where in the last-named town the road crosses the Shawben Meadows we usually see Red-wings & Barn Swallows. The latter were there to-day but not the former. Reached the farm at noon. Spent most of P.M. with Gilbert, Burbank & George picking currants, raspberries & Schaffer raspberries to send to Cambridge to-morrow. We got 18 quarts of currants & 4 of raspberries. The strawberries almost gone. I could get only a quart.

After supper I strolled about farm, along road to Lawrence's & back to Ritchie's place. Many birds singing well - 2 Robins, a Hermit, 3 Vireos, 4 Chiffins, a Towhee, the White-thr. Sparrow, a Towhee, Indigo bird, Starling, Song Sp., Cat bird etc. Heard a Grosbeak sing up finally.

Concord

Ther Wednesday, July 10, 1918 Wea  
Fine

Sunny & seasonably warm up to 6 P.M. when gathering clouds brought a succession of heavy thunder showers with downpour of rain lasting a couple of hours or more. One lightning flash accompanied, rather than followed, by a crashing report, must have been very near at hand.

Less bird music than yesterday. 2 Robins & a Red-w. the only birds singing freely & continuously. Heard a Song Sparrow & Indigo bird now & then. A ♀ Marsh Hawk flying high W. passed over field front of house, 3 P.M. Shortly after this I saw 4 Carolina Doves take some cones just above top of trees.

The foliage of our shade, orchard & woodland trees remains as unscathed by leaf-eating insects as it was in June.

Spent forenoon working in flower beds bordering lawn. At 3.30 P.M. the Emersons Mr. & Mrs. with Raymond's daughter, Ellen, drove down to see me.

It was Edward Emerson's birth day. He had sent him a cake originally intended for mine but not used then. He brought me two of his paintings as a gift. They stayed about an hour.

Spent evening at Lawrence's listening to Columbia records played by Richard.



Concord

Ther Thursday, July 11, 1918 Wea  
Fine

Early morning cloudy followed by clear,  
seasonally warm day. Light westerly wind.  
Heavy Thunder shower at night (9-11 P.M.)  
Bird music declining fast. Robins,  
Towhees, White-thr. Sparrows, Veery &  
Cat bird still singing freely, Indigo Bird  
& Song Sparrow heard only occasionally.  
Wood Pewee in full song 8-9 a.m. in  
our dooryard where he perched on  
dead branches, darting out every word  
than after flying insects. This reminds  
me that twice, within the past few  
days, I have seen a Robin pursue &  
capture a medium-sized whitish  
moth flying low & slowly over a lawn.  
1 adult Swift circling about our  
house this morning & 3 or 4 at other  
houses. While the brood of young in  
back room flew over noisy all day.

Transplanted nasturtiums, ferns etc  
in forenoon, George helping me. In  
P.M. cut some elms & maples (or rather  
Yew did under my supervision) in  
Berry Par. Started 2 woodcock there &  
saw 9 of the ruffed, standing erect in  
wooding below field front of house.

Concord

Ther Friday, July 12, 1918 Wea  
Fine

Sunny, windless, very warm & humid.  
Two thunder showers passed to south & east in  
late P.M. but we got only a light sprinkling  
of rain here.

Robins, Song Sparrows, Indigo Birds (2),  
Towhees, White-throated Sparrows & Green Tree  
singing freely especially at sunset. A  
Veery in Berry Pasture sang almost  
ceaselessly all day long & late into evening  
twilight. The Warblers one and all have  
lapsed into complete silence. So too have  
the Cat birds since yesterday.

At 8 a.m. a loose feathered flock of 15  
Barn Swallows passed over high in air S.E.  
At evening two Cliff Swallows appeared  
Goedfiches in full song now. A  
Hairy Woodpecker spends the whole of  
every day digging out borers from the  
much infested trees about our house.

Spent most of forenoon in old barn  
where Jeff & Bartok put up a lot  
of sheathing. In P.M. Jeff & I cut a lot of  
Birch Stakes for dahlias on slope below  
orchard. Found a few full grown Gypsy  
larvae on the trees.



Partridge & young.

Concord

Ther Saturday, July 13, 1918 Wea  
Skunk work Dull.

Cloudy & misty with light rain at evening. Calm with occasional breath of easterly wind. Warm & humid.

A few birds including Indigo birds, Towhees & Song Sparrows sang at rather frequent intervals this day. A Robin, Veery & Hermit Thrush in full song at evening. The Peabody bird sang a dozen times or more at 8 a.m. in brush by roadside near our big elm. Later in day I heard him every now & then in his usual haunt near the Cook Pasture. A Pine Warbler singing freely on Pine Ridge when I passed that way at 3 P.M.

Started 3 young Partridges as big as Pigeons in Run near foot of lawn. I think there were three did not flush. The old hen was flitting & looking in the bushes but did not show herself. Other manners was piled at Retchin. In late spring the ground has recently been burrowed with many holes by Skunks. When experiment was made there.

Spent forenoon transplanting flowers & working Strawberry bed. Walked to Holden & Ball's Hill road left in P.M. Many vine maples have turned copper or bronzed red & some look as if they are

Concord - Cambridge.

Ther Sunday, July 14, 1918 Wea  
Mixed

Cloudy, foggy morning followed by bright, sunny forenoon, this by succession of heavy thunder showers (1-3 P.M.) with the sun light flooding everything again after 5 P.M. Such at least was what happened where I happened to be.

Going about the Farm with the men after breakfast I listened to much delightful bird music, contributed mostly by Robins, Veery, Hermit, Tanager, Song Sparrows, Towhees, Peabody bird & Indigo bird. At 10 a.m. we left the Farm & motored towards Cambridge via Bedford & thence down the Shawsham River valley where I saw a flock of Bobolinks including ad. ♂ in full nuptial pl. Reached home at 11.15. We had at dinner Miss Hoffman & Mr. Mansfield.

Spent most of afternoon in Museum writing letters. At 6 P.M. walked up street & made short call on Miss Blatchford. After supper I read & wrote some letters.

At seven birds: 2 Robins, a Red-eye, a Chippy, a Kingbird - One of the Robins, a rare singer.



# Cambridge - Boston

Ther

Monday, July 15, 1918

Wea  
Fine

Sunny & rather warm with little or no wind. Clouds of thunder-cap type gathering in late P.M.

Garden birds. Robin singing delightfully towards evening; Chippy & Red-eye in full song through much of day; Flicker shouting feebly; Kingbird calling; 2 Swifts at sunset; silent Jay; Crows heard not far away; 2 or 3 House Sparrows.

Botanic Garden birds. One Song Sparrow singing sweetly, another chirping anxiously; Chippy singing; Kingbird calling & perching on lily pads in pond; family party of Crows, ad. & juv.; a Grackle 30+ House Sparrows.

At Botanic Garden 10-11 A.M. Took over

spray of Buckthorn (*Rhamnus frangula*) from our Berry Pasture where I found two small trees of it day before yesterday.

It comes from Europe & is probably new to Mass. Mr. Cameron gave me flowers of a beautiful *Convolvulus* (tricolor) & a lot of rooster poppies.

Walked back via Thorne Ave. & Sparks St. hearing another Chippy & Kingbird on the way.

Bunched with C. & E. on back piazza.

Went in town at 2.15 to have eyes re-examined. Dr. Smyth away for the week. His patients taken over by Dr. D. C. Heffernan who decided that both kinds of eye glasses he prescribed for me are wrong. Went next to Franklin & Smith's to order new ones. Walked across Common to see house & garden there. Home by 6.

C. & I walked thru Sparks & Foster Sts. after supper looking at many gardens there.

# Cambridge

Ther  
90°

Tuesday, July 16, 1918

Wea  
Fine

Brilliantly clear with fresh westerly wind. Warmest day since hot spell in May. Therm. rose to 90° in Boston according to ev. papers. I did not see it above 84° on our back piazza.

Garden birds. In full song, only a Robin & a Red-eye; singing feebly a Chippy & a Flicker. 2 Goldfinches calling on wing; a Kingbird & a Flicker perched. Young Crows calling not far off. 12 Starlings, flying in scattered order N.W., passed over at sunset, when I also saw 4 Swifts circling high & quickly passing out of sight. Later I saw a single Swift drop towards chimney of old Carpenter - Choate house but it did not enter it.

Spent most of day in Museum waiting letters. Edward Emerson called at 9 A.M. While on one front sidewalk at 9.30 I was halted by two men in a passing automobile. At first I failed to recognize them. They proved to be John Burroughs & his son Julian on their way to Duxbury from New York State. Burroughs, now 82 years old, looks well & vigorous still. He had ridden 20 miles yesterday. I talked with them about 20 minutes but they would not come in. C. saw Dr. Cheaney this forenoon. He says his right eye is seriously affected, now & conceals an immediate operation. I am to see him to-morrow instead of going to Glendale as planned. Telegraphed & wrote them some after C. communicated this news.



Cambridge - Boston.

Ther Wednesday, July 17, 1918 Wea  
Fair

Sunny hazy & warm until 4 P.M.  
when a thunder storm, preceded by  
a gale of wind, overspread the heavens  
and deluged the earth for an hour or more.

Garden birds. 2 Robins, a Red-eye &  
a Goldfinch in full song through much of  
day; Chippy singing feebly & intermittently.  
Flicker shouting ds. Kingbird calling.

Every few days one of the big tadpoles in  
Museum pond becomes a Green Frog. & several  
of the little black tadpoles change to tiny Frogs.

There are many Butterflies of several kinds  
now visiting our flowers.

To Boston just after breakfast. With Dr. Cheeney  
in his office, 9.30-10 a.m., talking over C's  
case. He strongly advises immediate operation.  
This he has performed six times with perfect  
success & without a single failure. If successful it  
will preserve her remaining sight. He called  
at our house in late P.M. when C. & I saw  
him together. He encouraged us by what he said  
about the successful success of his operations.  
C. talks it all out calmly & bravely as is  
her wont. I wrote to Dr. Cheeney about it.  
Called at Pincham & Smith's this afternoon  
to get my new glasses. The reading was  
perfect. Also visited our office & saw Dr. Cheeney.  
Only one change to be made.  
About coming reading

Cambridge.

Ther Thursday, July 18, 1918 Wea  
Fine

Clear & warm with light southerly wind.

Garden birds. 2 Robins singing at intervals  
through day & for an hour or more before  
sunset. Thrilling the calm summer air quite  
celestially with their sweet, fervent voices.

To me the song of a Robin never becomes  
tedious or commonplace but is ever at once  
restful and delightful to listen to, being  
so refined and so expressive of calm  
serenity of spirit. In my mind it is one  
of the most musical of bird songs and of  
them all the most satisfying & hopeful.

There were three or four Robins running over  
the lawn, one a Spotted-Breasted young bird,  
the others adults. Two Flickers probing the  
flapping for ants. Red-eye & Chippy singing  
freely. Goldfinch singing feebly on wing.

Spent most of day in Museum writing  
letters. Dr. Stevens called to talk with us  
about the coming operation on C's eyes.  
She, E. R. S. & I motored to the Palfrey  
place & around Cambridge Common to see  
the wonderful array of buildings for Radcliffe  
near the Government erecting there. We will  
this ride soon after dinner. Henry Fuller  
all suffering with us on back for a while when  
we have had most of our meals. E. R. S.  
read "Hilly Farm" after supper.



# Cambridge.

Ther

Friday, July 19, 1918

Wea  
Fine

Clear & just agreeably warm with little or no wind. Big Swallow-Tailed Butterflies, flapping & floating about the old lindens, over the lawn and Brattle Street, just as they have always done at this season ever since I can remember.

Garden birds. 2 Robins in full song in late P.M.; 2 Red-eyes, the ♂ singing only infrequently; a Chippy do.; also a Flicker; Goldfinch calling; Swifts twittering overhead at sunset when 2 Grackles passed, flying N.W. I still hear one or more Kingbirds daily. They must have bred somewhere near perhaps at the old Wyman place when I noticed a pair in early June.

Spent most of day in Museum, writing letters. Walked up Brattle St. to Elmwood in late P.M. A young German doctor came in forenoon to test C's eyes for possible infection. She & E. R. S. with me in Garden after supper. Doctor had two chapters of "Orley Farm" in front hall.

# Cambridge.

Ther

Saturday, July 20, 1918

Dr. de Schweinitz consults with C. & Dr. Cheney. Wea  
Fine

Clear, calm & very warm - yet not oppressively so. A thunder shower passed close to northward at 4 P.M. but without giving us a single drop of rain. Gilbert, who motored to Concord for eggs & berries, reports that a large oak standing just behind our old barn there was struck & shattered by lightning, Thursday P.M.

Garden birds. A Robin in full song at evening; a Red-eye at intervals thro. day; a Chippy singing occasionally & briefly; a Jay screaming & a Kingbird calling in the jungle; 2 Swifts circling low at sunset.

C. with Margaret motored in town to meet Dr. de Schweinitz in consultation at Dr. Cheney's. After the former had made a thorough examination of her eyes it was decided that the left eye shall be operated on by Dr. Cheney early next week. This is merely to test the hope for success of such an operation & not to save that eye, now wholly sightless. If all goes well the right eye will be operated on a month or so later. This plan was suggested by Dr. de Schweinitz. I understand C. will go to a hospital in Newbury St. & leave her old nurse Miss Goodbrater.

I spent most of day in Museum. Walked to Elmwood in late P.M. Bad attack of bladder trouble of late but now better.



First Cicada.

Cambridge

Cambridge

Ther Sunday, July 21, 1918 Wea  
Charles River Marshes. Fine

Ther Monday, July 22, 1918 Wea  
Fine

Clear, calm, oppressively warm. Light  
easterly breeze & a brief shower (without  
thunder) in P.M.

Garden Birds. 2 Robins in full song at dawn  
& other hours; 5 Robins, 2 Grackles & 6  
House Sparrows on lawn; Chipping singing  
fiftfully, Red-eye freely; Kingbird calling.  
A great mob of excited Robins making  
prodigious clamor at nightfall in jagged  
shifting thrives to Birch Green & thence across  
Brewster St., in evident pursuit of some  
dreaded winged monster which must  
have been a Screech Owl.

Spent most of day in Museum, writing.  
Worked partly on brief article for Rhodora about  
*Lothyris protensis* & *Rhamnus frangula* at Concord.  
Dr. Cherry called in forenoon Dr. Stephens in  
afternoon. I saw them both. C. is very brave  
& cheerful about it all. Her left eye will  
probably be operated on next Wednesday.  
In late P.M. I walked up Brattle St. & then  
along borders of marshes to Cambridge Cemetery.  
2 Meadow Larks calling, at least a dozen &  
I think more, Song Sparrows singing far near.  
Found a pretty plumed grass near to me.  
Marshes overgrown in many places with trees &  
bushes. Care path around is shaded with  
much as of yew - also Cambridge ferns.

Cloudless, windless & intensely hot. The  
first really and thoroughly uncomfortable  
day since May 6 & 7.

Garden Birds. Loud outcries on the part of  
many Robins awakened me at 5.30 A.M.  
Dressing hastily, I hurried forth to find the  
Blackwell's black cat just outside our clothes  
yard fence sitting erect at the edge of a bed  
of grass in which lay a speckled breasted but  
full grown young Robin. It seemed more  
frightened than hurt & when I tried to  
grasp it flew off swiftly alighting first on  
ground & then high in a maple over Heideck Ave.

The agonized cries of another Robin evidently  
caught by a cat came from the jungle as  
we sat at dinner on back piazza & at  
supper time Danny chased a dark mottled  
cat up the middle garden walk & out  
over the western boundary fence.  
Of other birds we had a Minioletta singing  
briskly, 2 Down birds together on ground in  
bilias, the usual singing Red-eye, a  
Jay, 2 Grackles on lawn.

In Museum most of day working  
on article relating to the two plants  
found at Concord. Walked up street to  
Blumwood in late P.M. & around garden  
with C. after supper. She had a busy day  
preparing to go to the hospital to-morrow.



## Cambridge - Boston

Ther 97° Tuesday, July 23, 1918 Wea  
C. goes to Miss Macdowell's Hospital. Fine

A cloudless sky, a blazing sun & light S.W. breeze combined to render this the hottest day of summer thus far. Ther. 97° in Boston.

Garden birds. 3 or 4 Robins, a Red eye, Kingbirds, Jay, Minivet & Dove birds. Swifts heard at evening. Robins singing half-heartedly then, Red-eye earlier in day. No other bird music.

For everyone an uncomfortable day, for us a sadly trying one because of C's departure to prepare for the operation on his left eye to-morrow. In forenoon she packed her trunk. He had dinner on back piazza. After it she went around garden & jungle with me, despite suffocating heat, looking at everything long & looingly, no doubt with thought similar to mine that it might be for the last time. At 2:15 we started for Boston in Ford car, taking Margaret. Twenty minutes later we reached Miss

Mac Dowell's Private Hospital at 172 Newbury Street. Everything there most comfortable & attractive. I had a long talk with Miss Mac D. & a short one with Dr. Cheney who called at 3:45.

Home by 4:15. Worked on article awhile & called on Spielman. & read aloud to me on back piazza after supper.

## Cambridge

Ther Wednesday, July 24, 1918 Wea  
71°, 72°, 70° First operation on C's eyes. Dull.

Thin cloudy with occasional dim sunshine. Cool easterly breeze. Comfortable day throughout. Garden birds. 8+ ad. Robins & several young just out of nest; Minivets, Dove bird, Red eyes (2, 1 singing a little), Chaffin, Crow, Flicker, Grackle on lawn, Swifts at eve.

2 ad red Screech Owls perching low & near together in jungle at nightfall with 8 or more excited Robins fluttering about, & every now & then swooping close past, then, making all the while great outcry. Owls bobbed their heads & sometimes flitted a few yards to other trees. I found one of their freshly shed wing quills under lindens & another in the pond front of Museum. Suspect they are catching goldfish.

Spent most of day in Museum working on botanical article. Short walk at evening. Miss Mac Dowell telephoned about 11 a.m. to say that operation

performed by Dr. Cheney, with Dr. Spaulding's assistance, on S's left eye had been in every way successful & that C. was then resting comfortably. Same reports this eve.

Shortly after 11 a.m. bells rang & whistles blew for & near for 20 minutes. That it was about no one seems to know. We heard at first a rumour of another great victory since our... since our...



Cambridge.

Ther Thursday, July 25, 1918 Wea  
74° max. Dull.

Cloudy & cool with light easterly breeze.  
Sun shining dimly now & then.

Garden birds. The two red Screech Owls remained perched all day within a yard of each other in top of tall tree, amid dense foliage, directly above where I saw them last night. They discovered them there this morning. The Robins paid no attention to them during daylight hours but at evening made loud outcry again.

A *Miniotitta* calling; a Chipping singing (once, only); Swifts heard at evening;  
6 Grackles flying high at sunset.

Most of day devoted to botanical article which I finished by 4 P.M. To the Spelman at 6. They came back with me to see our dahlias, now making a handsome show. E.R.S. read to me in hall after supper. They went in town with C's bed this morning & saw her at hospital. Bringing back an encouraging report. Dr. Stevens called to see me this morning. He seemed in bad shape, himself.

Cambridge.

Ther Friday, July 26, 1918 Wea  
82° max. Fair

Forenoon Cloudy; afternoon sunny, calm & warm.

Garden birds. The two Screech Owls spent another day perched exactly to an inch, where they were yesterday. Again they were mobbed by Robins in gathering twilight. After dark I last night heard one utter the cat-like, yowling cry & to night one is wailing as I write this.

2 Cedar birds on wing yesterday & 3 to-day in rum cherry by West gate although its fruit is still green & hard. A Goldfinch, a Kingbird, 2 *Miniotittas*, an Oriole, a Jay, Grackles & Swifts on wing. Juncos heard. My Auburn birds. Robins; Flickers (2), Starlings (5 or 6).

Bird music, declining this past week. Has by now almost wholly ceased. Even the Red-eye Vireo was silent to-day.

Letter writing absorbed most of my afternoon this day. At 3 P.M. mother & I then Mr. Auburn with E.R.S. visiting her family at Henry Pierdies. She sent to me in hall, piano after supper from Aristotle Pour out.



Cambridge - Concord.

Ther Saturday, July 27, 1918 Wea  
84° max. at Concord; 92 in Boston. Fine

Cloudless & very warm but with a  
fresh, toasty breeze & low humidity;  
altogether a delightful midsummer day.

Too busy this morning to pay  
much attention to garden birds but  
saw both Owls on their accustomed  
perches and heard an "urban" Warbler  
chirping in the lilacs.

Dr. Stevens called to see me professionally  
at 9.45. At 10.15 Gilbert & I started  
for Concord. by usual route via  
Boston, Lexington & Bedford. Song  
sparrows singing freely here & there.

Reached farm about 11.50.

Spent most of afternoon & evening  
weeding and watering flower & strawberry  
beds. Visited Ritchie place & Berry Pk.  
Corn & potatoes wondrous fine. Heavy

crop of rye already harvested. Yellow  
transparent apples ripening. Raspberries passing.

Bird bath much frequented all day.  
visited by Robins, Cat birds, Chippies,  
Minstrels, Maryland Yellow-throats  
& Scarce Savages (ad q), 8 ♂♂ Goldfinches  
on boulder in pond. Song Sparrows  
sang sweetly several times. Pheasant  
crowded over at sunset. No other bird music.  
Young Swifts still in back room floor.  
Judging by their clamorous chatter they  
are now less than half grown.

Concord - Cambridge.

15 Ther Sunday, July 28, 1918 Wea  
Fine

Clear & oppressively hot with strong  
but not refreshing toasty breeze.

Concord birds. A Song Sparrow singing  
sweetly & freely, a Cat bird interruptedly,  
a Minstrel brokenly, supplied all the  
bird music that came to my ears.  
Besides these I heard a Grosbeak  
utter its clicking call. Crows out  
in force & very noisy for several  
hours after daybreak. George caught  
a young owl that could not fly well  
& set free it in the Pigeon yard  
to the consternation of a pair of Bantam  
fowls living there.

I had the horse running for two hours  
after breakfast. At 9.05 Gilbert & I  
started for Cambridge. It was not  
uncomfortable then but decidedly so  
during the sweltering afternoon.

Miss Haffin dined with Irving &  
me on back piazza. After supper  
there with Irving I took some apples to  
the Spelman's. Sam Hershaw in Mass  
Gen Hospital with septic poisoned  
hand, due to a bite from his Parrot.  
Cuthbert Bangs tells me this



Cambridge - Boston.

Ther

Monday, July 29, 1918

Wea

90° max.

Fine

Cloudless with strong S.W. wind & much humidity yet altogether a less uncomfortable day than yesterday.

Garden birds. 2 ad Robins; 2 Cedar birds; 2 ad. Red eyes; at least 4 (Percy thought 6) Miniotittles, taking turns at spray bath where garden hose was playing; 7 Grackles & 3 House Sparrows on lawn; a Screeching Jay; Swifts heard at evening.

Two or three of our big lindens & our many sidewalk maples have been shedding their leaves profusely for several days past. This prematurely ripening foliage seems to be affected by some kind of blight or fungoid trouble. The withered leaves thick over our lawn. Many tiny Toads hatched in our pond are now scattered throughout the Garden.

Forenoon devoted to letter writing in Mass. Motored in town at 3 P.M. with E. R. S. to call on C. at Hospital. She seemed in good spirits & talked with each of us separately for half an hour or so. E. read to me from David Copperfield on back piazza after supper.

Cambridge.

Ther

Tuesday, July 30, 1918

Wea

Mixed.

Forenoon oppressively warm & sultry with much sunshine. Succession of very heavy showers lasting thru. afternoon & evening with comparatively little thunder but bursts of rain, cooler after they had passed.

Garden birds. Shortly after breakfast I heard Warblers chirping in jungle & went in search of them, following them hither & thither for nearly half hour. There proved to be at least 4 Black & White Creepers & no less than 3 Golden wings, ♂ ad ♂ juv. They all kept mostly near the ground in low undergrowth & tall weeds, sometimes visiting the lilac hedge on Brewster St. & once congregating in the grape arbor. The two ♂ Golden wings were constantly near each other & usually scarce a yard apart, playing & sporting together very prettily & chirping a good deal. Both were typical as was the ♀ also. She left apart some over 200 yds for a few minutes I saw her with a ♂. He, I suspect, may have been a fourth member of the family party but of that I could not make sure. Besides these interesting winged visitors we had to-day 2 Robins, 2 Red eyes, a Chaffinch (very only one), 2 Cedar birds, a King bird, a Jay, 5 Grackles, 5 Swifts heard. Spent day in Museum writing letters, clippings etc. Gilted clippings books. E. R. S. read to me after supper.



# Cambridge

Ther Wednesday, July 31, 1918 Wea  
Fair

Forenoon cloudy, afternoon sunny.  
Cool easterly wind. Raining thro last night.

Garden birds. Interesting flock of migrating  
Warblers doubtless including some of those  
here yesterday but also others not then noted  
or individually not the same. Thus there  
were to-day 3 Golden wings, ♂ ad. ♀ ad. & ♀ juv;  
6 Miniotittas; 3 Oven birds; and 2 Yellow  
Warblers, ♂ & ♀ juv. The Oven birds kept  
mostly in the jungle & on the ground; all  
the rest rambled hither & thither together  
spending much of their time in the grape arbor  
where I viewed them to good advantage & at  
close range for all were very tame & some  
of the Miniotittas boldly within feet of me.  
Besides these species there were 2 Orioles, 2 of one  
a moulting ad. the other juv.; 3 Cedar birds;  
2 Robins; a Red eye; a Chaffy & singing many  
times; a Jay & Kingbird heard; 2  
Swifts circling high; 6 or 7 House Sparrows  
on lawn. The changes in the Warbler flock  
since yesterday are interesting because the  
whole of last night was densely cloudy  
with rain falling ceaselessly. Hence it seemed  
no time for birds to either arrive or depart on  
migration - as, however, apparently does happen.  
Little writing & bird watching occupied my  
forenoon. In Harvard Square. To have here  
cut in P.M. when E. R. S. kept on into  
Boston in Ford car to visit C.  
Usual evening reading.

# Cambridge

Ther Thursday, Aug. 1, 1918 Wea  
Fine

Clear & cool with light northerly wind.

Garden birds. 2 ad. Robins on lawn; 1 ad. Red eye  
& Chaffy, singing a few notes; a Cedar bird,  
Oriole, Kingbird, Swift; 2 Grackles, 3 Jays;  
Screech Owl (red ad.) on same perch in jungle  
where two have been of late; 2 or 3 House  
Sparrows on front lawn.

Of migrant Warblers I could find about  
the place (after searching every nook & corner  
of it many times) only 2 Miniotittas, 2  
Oven birds & an adult ♂ Golden wing.  
These kept near together all day, mostly in  
the south-east corner of jungle next the lawn.  
Presumably they were individually  
included in the little flock here yesterday,  
being apparently some of the self-same birds.  
The others must have kept on southward last  
night. If so it seems strange that all did  
not depart together - especially the Golden wing.  
(The night was clear, calm & cool.)

Spent entire day out of doors superintending  
work about place, mostly that of laying a water  
pipe across driveway to Perry's garden.  
Edward Benson arrived at 1 P.M. bringing  
two opposite fifth pl. paintings, as a gift  
to me. He dined with us on both occasions.



Cambridge.Ther  
80° may.

Friday, Aug. 2, 1918

Wea  
Perfect.

A perfect midsummer day with cloudless skies, light westerly breeze and no more than agreeable warmth - at least in shaded places.

Garden birds. Not many seen or heard. Of migrant Warblers only a single Minutella seemed to be present within our grounds. He sang a little, in faltering feeble tones. A Chaffy was the only bird that sang freely & well. A silent Red-eye still frequents the jungle. This species usually sings daily through August but is not doing so now. Besides all these I noted 3 Jays, 3 Grackles, 2 or 3 House Sparrows, 3 Crows & a Cedar bird. No Screech Owl to be found.

Spent greater part of day out of doors superintending laying of water pipes into Percy's garden. The plumbers also worked in the house, changing or repairing things. Fanny Randall called in P. M. but I missed seeing her. B. R. S. read David Copperfield to me this eve.

Cambridge.

Ther

Saturday, Aug. 3, 1918

Wea  
Perfect.

Very like yesterday but somewhat less warm.

Garden birds. 2 or 3 Robins; do. Red-eye, Cedar birds heard; 2 Jays & 3 Grackles, 3 Crows, 7 Flickers heard; Chaffy singing a few times; a Swift at evening; 2 or 3 House Sparrows; red Screech Owl spending day in dense foliage in apple on north side of Brewster Street opposite head of our middle garden walk. Migrant Warblers represented solely by 2 Olive birds keeping together in jungle, nesting on ground. Butterflies of various kinds, including the Swallow-tail & Milkweed, constantly about our flowers. We have not seen anything like so many in the Garden for twenty years or more. Cicadas less numerous than usual. I hear only one or two daily. No Fireflies as yet.

Spent forenoon in Museum, writing; afternoon walking in Garden with Percy & John. Miss Agnes Balch at supper on back piazza. I walked home with her at 9 P. M.



Cambridge

Cambridge - Boston.

Ther

Sunday, Aug. 4, 1918

Wea  
Fair

Partly sunny, largely cloudy. Cool  
easterly to southerly breeze.

Garden birds. The usual 2 Robins,  
2 Red-eyes, Chippy, Jays, Grackles,  
Crows, Cedar birds, House Sparrows,  
Swifts (4 at eve). ♂ ad Oriole heard over  
giving his fluting notes in full.

Red Screech Owl back on accustomed  
perch high in tall ash in jungle.

Of migrant Warblers I found in the jungle  
at 9 a.m. & afterwards 4 Minivittas,  
3 Oven birds and a young ♂ Golden wing.  
All these were presumably fresh arrivals  
that had dropped in overnight. Unlike  
those of same species here before & later  
they kept together, very near the ground  
(rarely visiting tree or branch more than  
six or eight feet above it), and were  
neither shy nor restless.

Read war news & wrote letters in  
forenoon. Miss Balch & Frank Manning  
dined with E. R. S. & me on back piazza.  
Frank stayed on until 5 P.M.  
E. read aloud to me after supper.

Ther

Monday, Aug. 5, 1918

Wea  
Fair

Calm, warm & very humid. Forenoon  
cloudy, afternoon sunny.

Garden birds. Not closely observed but  
evidently few in numbers. Red-eye birds  
heard singing intermittently & listlessly,  
One bird chirping under my windows  
at day break. 2 or 3 Robins, several  
House Sparrows, 2 Kingbirds, one or  
more Cedar birds (heard), a Jay, a  
Swift & 6 Grackles flying over at  
evening. Red Screech Owl in jungle.

Dr. Stevens called at 10.30. He  
invited me to Harvard Square  
where I went by trolley car to our  
Boston office. Saw then Darling, Bernis  
& Miss Walker. The last named told  
me in confidence of her engagements to  
Dr. Francis Watson, cousin of Cameron  
Finch. She seemed radiantly happy.  
Lunched at Thompson's & called at  
Pinkham & Smith for glasses. Home by 4.30  
Mary Almy Supper with us on back  
piazza. Mrs. Fred Allen & Bessy called later.



Cambridge

Ther 92° Tuesday, Aug. 6, 1918 Wea  
First Free Cricket. Fine

Mostly sunny, very warm & humid,  
light southerly breeze. Uncomfortable day.

Garden birds. Fresh lot of migrant  
Warblers spent day in jungle occasionally  
visiting lilacs & once assembling where a  
hose was playing, to dash back & forth thro  
its cooling spray. The flock was made up  
of 4 Minstrels, 2 Oven birds & 3 young  
Chestnut sided Warblers - all young birds  
showing no chestnut. There was also an  
unseen Maryland Yellow-throat, singing  
thrice very near me, in whispering tones  
yet otherwise quite after usual manner of his  
kind. Of other & local birds I noted 4 Robins,  
15+ Brown Grackles (on ground in jungle),  
a Kingbird, 2 Red-eyes, a Chippy (singing  
once), several House Sparrows, a  
Cedar bird (eating rum cherries, now  
refusing), a Swift at sunset.

Shortly after dark heard first Tree Cricket,  
a brisk-fiddling one.

Spent day in Museum reading, writing  
letters. No calls. E. R. S. read David  
Coffey after supper.

Cambridge

Ther 87° Wednesdays, Aug. 7, 1918 Wea  
Heavy H. primus et dryopteris Fair

Forenoon sunny but hazy; afternoon partly  
cloudy with heavy thunder shower at sunset.  
Uncomfortably warm & humid most of day.

Garden birds: A Blue-winged Yellow Warbler  
with pure yellow wing bars accompanied by  
an Oven bird & a Minstrel spent forenoon in  
jungle. There could not then have been any other  
Warblers here for I went through very much  
& corner of the place again & again. But  
at 4 P.M. I found assembled in the lilacs  
a flock containing the three birds just noted  
& also another Blue-winged Yellow, having  
white wing bars; a very handsome ad ♂  
Golden-wing; another Minstrel; 2  
young Chestnut sided Warblers showing no  
chestnut & a ♀ Maryland Yellow-throat.  
My observation of the Blue-winged Yellow  
Warbler is fully described in my journal.  
Besides these Warblers I noted 6 Robins  
& 2 Cedar birds eating rum cherries, 2  
Red-eyes, a Chippy & several H. Sparrows,  
a Flicker ♂, a Kingbird an Oriole & a Crow.

Spent much of day following Warblers  
about, the balance in Mus. writing letters.  
Usual evening reading by E. R. S.



Cambridge - Concord

Ther

Thursday, Aug. 8, 1918

Wea  
Fair

Sun shining dimly at times, at  
others obscured by clouds. Unusually  
hot & humid until near sunset when  
a cool east wind brought glad relief.

Distant thunder every now & then.

Cambridge Garden birds. Scant in  
number & variety. A Minutella  
in willows accompanied by another  
Warbler that looked like H. peris but  
could not be identified because seen  
only among dense foliage high in trees &  
against a somber sky. Besides these I  
noted only 2 or 3 Robins, 2 Cedar birds,  
2 Red eyes, 4 Grackles, a Chippy, 2 House  
Sparrows, a King bird, 3 Swifts, a Downy W.

Birds at October Farm, Concord. A

Robin, 2 Cat birds, a Chippy, 10

Swifts circling at sunset, 7 Flickers

roosting in barn at eve. Crow cawing.

Spent forenoon in Mass. writing letters.

Is Concord by 2.30 ex. from Boston.

Burbank met me at station with

his runabout car. At Farm by 3.25.

Watering gardens until dark.

Even. feeding strawberries & blueberries -  
in show of Plof, dabbles etc.

Concord

Ther

Friday, Aug. 9, 1918

Wea  
Stormy.

Dark cloudy & foggy with heavy  
showers following one another closely &  
thunder muttering in far distance W.  
Cool N.E. wind blowing all day.

Farm birds. A Robin, Cat bird, Veery  
& ad ♂ Redstart in Berry Pasture, ad ♂  
Indigo bird in full, rapturous song  
repeated many times (Ritchie place),  
a few Barn Swallows & Swifts on wing  
(The latter also heard in our chimney)  
Several King birds, a Green Heron  
flushed from pond in Berry Pasture,  
Maryland Yellow-throat.

The heavy rain kept us all in doors  
most of day but Georg. & I managed  
to do some work in flower beds  
& to get out the larvae (working only  
through forenoon). In late P.M.

I went to Ritchie place & also thro  
Berry Pasture where I took a twig  
of Rhamnus Frangula, its berries now  
mainly black. Mrs. Burbank gets my  
meals but I am alone in the old house  
at night.



Concord - Boston - Cambridge.

Ther      Saturday, Aug. 10, 1918      Wea  
Dull.

Cloudy & very cool with fresh  
north-easterly wind.

Cambridge Garden birds: A Miniotitta,  
Jay & House Sparrows were literally  
all I could find about the place.

This afternoon

Shortly after breakfast Burbank motored  
me over to Bedford where I took  
8.14 train. On reaching Boston went  
directly to our office & spent about  
an hour there. Did a little shopping  
& came out to Cambridge by noon,  
going from Hume Ave. car to Gray  
Herbarium where I saw Mr. Bridge &  
Cameron. He compared a branch of  
Rhamnus Frangula taken yesterday  
at Concord with a living bush in the  
Bot. Garden & found the two essentially  
alike. Since my last visit there Mr. Bridge  
has found in this collection specimens  
of Scutellaria peruviana taken at W. Springfield  
Mass. by J. P. M. Spent afternoon  
writing letters. Alice Bartlett called.

Emmy Kettel here since yesterday noon.  
She, E. R. S. & I spent evening in hall, talking.

Cambridge

Ther      Sunday, Aug. 11, 1918      Wea  
Dull.

Cloudy, cool & windless. Heavy rain  
last night. Everything drenched by it  
to-day.

Garden birds: Continued scarcity of both  
migrant & local ones. Had Robins with  
one or more bob-tailed young; a Red-eye;  
a Miniotitta; Kingbird, Cedar bird  
& Swift heard.

Went with Emmy Kettel to call on  
Alice Bartlett in forenoon. In late  
afternoon we walked down Brattle St.  
thru Mass St. & half around Common  
now crowded with barracks for recruits  
& enclosed in a high board fence  
bristling with barbed wire. Came  
back thru Berkeley & Craigie Streets.  
Spent much of day in Museum,  
writing letters. Miss Hoppin  
dined with us. Clara Howe  
called after supper.

A Tree Toad (but no more than  
one) fidling in linden every night  
now.



Cambridge

Ther 85° max. Monday, Aug. 12, 1918 Wea Fine

Sunny, warm & humid but not uncomfortable except during mid day hours.

Garden birds. 3 or 4 Robins; a Red-eye in full, continuous song for many minutes about 3 P.M.; a Kingbird calling; Swifts twittering over house in early afternoon.

Unseen Warblers heard chirping in jungle at intervals through day. I tried in vain to get an identification and once did have a fleeting glimpse of two birds which looked like Minorettes but one of the chirpers was certainly something else, to judge by its call notes.

Letter writing in Museum occupied much of my day. Also packed things for trip to. tomorrow. While thus engaged was suddenly prostrated by giddiness & nausea. Dr. Stevens happened in just then & soon relieved me. Fanny Randall arrived at 2 P.M. & Miss Hopkins at 8.30, both to stay overnight.

Cambridge - Glendale.

16 Ther Tuesday, Aug. 13, 1918 Wea Fine

Intense heat, severe tempered by a light southerly breeze but somewhat abating towards evening which, however, was a rather trying one even at Glendale.

To Boston in Ford car (run by one of Shepherd's drivers) to take 10.04 train from Trinity Station for Pittsfield. Parlor car seats "sold out" but they let me have one in smoking compartment to Worcester & after that one in main body of car, so I got one well enough soon for terrific heat. Purple loosestrife making splendid show along sluggish river beyond Ashland. Crops looking well everywhere. Chestnut disease all the way & sad enough to contemplate. Reached Pittsfield shortly after 2 P.M. & took 3.20 train for Glendale where Wynne met me with Dodge car. Welcomed at Chestnut by Mrs. French & Margaret. Dinner in New York City hall by supper time. House full of guests - Mrs. Durea (on War Relief drive), Mrs. Potter, Miss Harbeck, Mrs. Durea's son & another man. Spent evening in Studio, court with lanterns dipping, fountain playing & orchestra going all the while.



## Glendale.

Ther Wednesday, Aug. 14, 1918 Wea  
Fine

Another day of blazing sunshine and oppressive heat somewhat tempered by strong southerly wind and ending in a heavy thunder shower after which a cool west wind started & blew all night. Goldfinches singing freely, Red-eyes & Wood Pewee a little, young Song Sparrows now & there, Nuthatches calling, House Wrens feeding young in box over Studio piazza (another nest, occupied this season, under house porch), Chippies on lawn, brood of young King birds just out of nest in pear tree. Uncle Carous no longer frequented by Robins or by Cotton-Tail Rabbits.

Red-shouldered Hawks screaming, one Broad-wing seen on wing, Green Heron heard towards river. Whippoorwill in full, long continued song at evening.

An idle day - passed pleasantly enough in reading, talking & napping. Dan at work in Studio on his big Lincoln Statue for Potomac Park. Most of guests departing but Mrs. Potter remains - a very pretty, intelligent & agreeable young woman, devoted to dogs etc.

## Glendale

Ther Thursday, Aug. 15, 1918 Wea  
Perfect

Brilliantly clear & delightfully cool with fresh westerly wind. Northern sky illuminated by Aurora borealis of moderate brilliancy but without "streamers", at 11 P.M.

Red-eye singing freely & well; Purple Finch brokenly yet musically; Oriole many times, in clear, loud voice. Wood Thrush & Crested Flycatcher calling. One Cicada "frying". Tree Toad "

Spent most of day in room, reading and writing. Starting at 4 P.M. Dan & I walked over to the Smiths. By them the old Knight farm has been transformed into a gentleman's summer place, not as yet completed, however. They have removed all the original buildings save the house & that <sup>is</sup> now included in a much larger & very attractive one. The pretty broad meadow below it has been till-drowned, a great pity as I told them frankly. Dan has laid out for them a pretty & large garden not unlike his. Mr. Smith told us up the broad tree where it has been drowned to afford a greater supply. He called on us this evening.



## Glendale

Ther 56° at 7 a.m. Friday, Aug. 16, 1918 Wea Perfect.

Brilliantly clear & deliciously cool with fresh westerly wind.

A Red-eye, Chippy, Baltimore Oriole & Wood Pewee the only birds heard singing. Not many others seen. Migrating Warblers passing over in great numbers between 9 & 11 P.M. on August 13 & 14. but none to be found by day after their nocturnal flights.

Spent forenoon in chamber, reading & writing letters, notes etc. Mrs. French's weekly reception in Studio grounds, 4 - 7 P.M. Upwards of twenty five people attended & among them Mrs. Choate & her daughter. We all sat around in chairs on lawn next pergola wherein the tea, lemonade & cakes were served. Mrs. Wm. French appeared to join the household guests of whom Mrs. Powell alone is left just now.

## Glendale

Ther 5-70° at 7 a.m. Saturday, Aug. 17, 1918 Wea Perfect.

Another day of cloudless skies & brilliant sunshine tempering a cool north-westerly wind.

Little or no bird music from any thing, save a Goldfinch and a Wood Pewee. Saw an adult ♂ Hummingbird at Cardinal flowers & a Least Flycatcher in alders, by the roadside at the Smith place. Heard call notes of Hermit Thrush & Black-thr. Green Warbler in the pasture by Outlook.

Shortly after breakfast Dan & I walked down the road to visit the Smiths. Mr. Smith took us up the brook to where his daughter & a girl friend, both in overalls & one wearing rubber boots, were at work in a pond. They had dug & surrounded by brilliant flowers of various cultivated kinds.

In late P.M. Dan & I went to the Testina Outlook & sat there talking & while supper time. Flushed a bird & 6



Glendale.

Ther 53° at 7 a.m. Sunday, Aug. 18, 1918 Wea Perfect.

The glorious autumnal-like weather of yesterday & the day before continues essentially unchanged although today was somewhat cooler than the others and almost windless.

Baltimore Oriole in full song, Red eye, Purple Finch & Wood Pewee singing listlessly. Flicker & Blackbill Cuckoo near house, two brown Indigo birds in corn field. Also in corn & busily feeding among its "tassels", a bird not unlike ad. ♂ Purple Finch but smaller, slenderer & more numberry red throughout its handsome body plumage. It looked a good deal like the Cal. House Finch but I failed to identify it although viewing it long at close range in full sunlight.

Barn Swallows from the barn loins down east spring at the Thright (near Smith) place have nested since in the French's barn & on me. Intosh's barn & shed. In one of latter a pair were feeding young in nest today. Shortly after breakfast Mrs. Hill French & I walked down road to Smith place. In mid P.M. all the members of our household saw Mrs. D.C.F. visited Mr. Intosh & were most graciously received & entertained by him. Evening spent in party, talking.

Glendale.

Ther Monday, Aug. 19, 1918 Wea Perfect.

A fourth day essentially like the other three and precisely like yesterday. During all four days the Dome has been at no time obscured by clouds & but slightly at any time by haze. This glorious weather is distinctly autumnal in character yet often if not usually characteristic of the latter half of August which obviously belongs to autumn rather than summer, as far as seasonal conditions go to show.

Red eye, Oriole & Wood Pewee singing more or less freely; also a Black & White Creeper. Unusual scarcity of migrant Warblers. Failed to see or hear a single one in extensive pine woods across road, where they usually abound at this season.

Spent A.M. in house & studio. In P.M. went with Dan to pine grove pasture across road, where Mr. Smith accompanied us.

No birds whatever there. Capt. Albert Fletcher came from Washington at 7.30, & entertained us delightfully all the evening - when Mr. Intosh & Dullmann called.



## Glendale

Ther Tuesday, Aug. 20, 1918 Wea  
Perfect.

Cloudless & almost windless with  
brilliantly clear air & bright sunshine.  
Warm through day, cool at morning & eve.

Forenoon spent mostly in  
house & studio. Also took a  
short walk with Mrs. Powell.

In late P.M. Dan & I went to  
the Smiths where we found the  
whole family (except Mrs. S.) assembled  
& the two daughters working on their  
little pond among the alders by  
the brook. Miss Cummings, an

Australian girl & successful actress,  
dined with us & spent the evening.

She & Capt. Fletcher did most of the  
talking & both were highly entertaining.

## Glendale - Cambridge

Ther Wednesday, Aug. 21, 1918 Wea  
Perfect.

The sixth day of absolutely clear &  
altogether rarely perfect weather. Warmer  
than yesterday but not uncomfortably  
so out of doors & refreshingly cool at  
noon & eve. The early morning at Chatterbox  
was simply heavenly & the flower garden  
there more beautiful than I have ever  
before seen it. A Red-eye, a Hooded Merganser  
on Chickadee, & a Purple Finch sang rather freely, &  
faintly & bravely. A Rose breasted Grosbeak  
heard calling - also a Bobolink off.

Packed my things after breakfast &  
was driven by James to Glendale Station  
where I took 11.10 train for Pittsford  
there. I had to wait for the Boston  
Train until 2.05 P.M., spending the  
time in the station, reading.

The ride to Boston was hot &  
dirty for the parlor car of steel  
radiated heat like a metal stove &  
cinders came in this open window.

Reached Cambridge at 6.30 to find  
G. at home again & evening of improved  
weather.



# Cambridge.

Ther Thursday, Aug. 22, 1918 Wea  
Prairie Warbler in Garden. Fine

Clear with light S. W. wind. Very warm.

Garden birds. 10 or 12 Robins (mostly spotted-breasted young) & 2 Cedar birds, eating rum cherries; 2 Red-eyed Vireos, one singing rather freely; an interesting party of migrant Warblers including a Minutella, 2 young ♂♂ Black-throated Greens, a young ♂ Yellow Warbler & a young ♀ Prairie; a Tanager in ♀ fl. but having blackish wings & tail; 3 or 4 Grackles; 4 young Orioles; a Swift at wing. There was also an unseen bird that chirped exactly like a young White-thr. Sparrow & twice sang like one but very faintly. Although calling all day long it was not once seen fairly.

The Prairie Warbler, a dainty, slender-bodied little creature, kept mostly low in bushes or tall weeds when it flitted about wagging or tucking its long tail every now & then after the manner of its kind. It was very tame & I watched it long at close range. It was almost devoid of any warbling beneath. I spent much of day in Miss. teaching & answering letters. C. walked around Garden with me at sunset & after supper sat in hall while E. read aloud to us.

# Cambridge-Concord

Ther Friday, Aug. 23, 1918 Wea  
H. W. Henshaw arrives. Fine

Clear & oppressively hot with light S. W. wind.

Garden birds. 25+ Robins (mostly spotted-breasted) & a Cedar bird feeding on rum cherries; Red Screech Owl in tall ash mottled incessantly by host of lesser birds including Robins, Orioles (1 ad ♂, 4 juv), a Jay, a Crow, 2 or more Red-eyes, a young ♂ Yellow Warbler, 2 juv ♂ Black-throated Green Warblers, several Grackles & a House Sparrow. Saw an Oven bird on ground in lilacs, a Swift on wing. Whenever the garden hose is playing most of the birds above mentioned assemble about it to bathe in its fine spray.

Yesterday & today I saw a dozen or more Robins, besides Warblers etc., thus employed & greatly enjoying it, evidently.

After spending forenoon in house & Museum & having my hair cut at Harvard Square I motored to Concord with G. (2.30-3.35) Henry W. Henshaw arrived (from Plymouth N. H.) at 6 P. M. to spend a week here.



# Concord

Ther. Saturday, Aug. 24, 1918 Wea  
Dull.

Sun partly, at times wholly, obscured by thin clouds or dense haze. Oppressively hot & humid with light S.W. wind. Sharp but brief thunder shower at 6 P.M.

Birds of almost every kind apparently scarce or soaring. None came to the bird bath despite the intense heat. I heard 2 Towhees calling in the miller, a Chickadee near house, Crows near off. Saw 3 Robins & a Barn Swallow in wing. A Cat bird in dooryard Thicket where the elder berries are now abundant & almost ripe.

Henry & I spent most of day in house, talking, but we strolled down to the Ritchie place in forenoon, finding there a splendid field of yellow corn that promises an abundant harvest. Our eye has been Threshed, yielding about 25 bushels.

# Concord

Ther. Sunday, Aug. 25, 1918 Wea  
74° max Fair

Mostly sunny but very hazy with little or no wind & such excessive humidity that it seemed much hotter than the mercury would testify.

Bird life in & about our farm is at low ebb & in many places almost none exist. A Song Sparrow was the only bird of any kind seen in or near the bird bath & during a leisurely stroll through Berry Pasture at sundown Henry & I could find nothing but a Cat bird & a Red-eye. At that hour we saw 7 Swifts, accompanied by 2 Barn Swallows, migrating south in scattered order high above the tall trees. One of the Swallows passed & soon distanced a Swift that seemed doing his best.

Shortly after breakfast Henry & I, with Gilbert, returned to Carlisle to see Dr. Dresser with whom his boys son spent half an hour looking at crops, chickens etc. In late P.M. we called on the Howes, Saw, Mr. & Mrs. H. & H. Howes



# Concord

Ther 76° max Monday, Aug. 26, 1918 Wea Dull

Partly sunny but mostly cloudy with showers in early a.m. & late P.M. Oppressively warm & humid although our thermometer did not go above 76°.

2. Robins bathing, 4 Catbirds eating elder berries, Crows cawing all day, a Jay seen in Birch Field. These literally all the birds noted by me.

Honey & I spent most of day in house, talking, reading & writing. In late P.M. we walked to Birch Field but hurried back because of an approaching shower. During this walk we met with a single Blue Jay but no other bird of any kind.

Five or six young Green Frogs in pond front of house. Many fine Butterflies about Jiminis & other flowers. Full nocturnal chorus of Tree Toads along road or beyond it in Berry Pasture but none close about house.

# Concord, Dr. Cheney decides on second of nature

Ther 73° max. Tuesday, Aug. 27, 1918 Wea Fine

Clear & comparatively cool with dry air & light westerly wind. Altogether a delightfully comfortable day although the temperature ranged almost as high as yesterday.

Besides Catbirds, Red eye & a Towhee I saw or heard near our house a jay. Hummingbird (at Salvia), at Maryland Yellow-throat, 2 Chaffins, a Flicker, 2 unidentified Warblers (heard chirping), a Swift & 4 Night hawks flying straight south high in air, at evening (7 P.M.). Without knowing either to right or left the Night hawks kept on until out of sight, flying very swiftly with constant wing beats. This I do not remember ever witnessing before.

Honey, returned to Concord in forenoon. I spent it working on lawn & in garden. In P.M. we had a delightful walk to Holden's & Ball's Hills & back via Benson's & Birch Field. Everything most attractive looking in the clear clear air & bright sunlight. We spent most of evening in the parlour talking of many things.

C. Telephone at 5 P.M. that Dr. Cheney will operate on her right eye.



Concord, Cambridge, Concord

Ther Wednesday, Aug. 28, 1918 Wea  
Perfect.

Brilliantly clear & refreshingly cool  
with fresh N. E. wind. Clouds  
gathering at sunset.

Of birds about our farm there were  
not many. They included 2 Cat birds,  
a brown Indigo bird, a Towhee &  
one or more Cedar birds in the dooryard;  
8+ Chaffins in the orchard; a Swift  
circling low on wing at eve. & the  
same or another heard in breakfast  
room floor after dark; a Night hawk  
fig. passing low to southward over  
field front of house, in eve twilight.

In the Cambridge Garden I could  
find only a couple of Robins.

Spent forenoon working in flower beds  
with George. Henry left on part  
of train. In P. M. we ventured to  
Cambridge via Lexington (1.30-2.30)  
& back via Hallowell to Lincoln.

Saw E. K. S. for few minutes. She  
reports C. very tired & nervous about  
operation on right eye to come Sept. 5.  
C. telephoned me on this yesterday afternoon.  
I wrote Dr. Johnson of it at once.

Concord, Boston, Cambridge

17 Ther Thursday, Aug. 29, 1918 Wea  
H. W. Henshaw departs. Stormy

Cloudy & foggy with north-east wind  
and frequent heavy showers.

Henry & I motored to Concord after  
an early breakfast and took the 7.55  
train on the Fitchburg to Boston.

Reaching there I went directly to our  
office where most of my forenoon was  
spent. Mr. Brown joined me for half  
an hour during which we talked  
over Affairs of Geo. B. Kettell Estate.  
He has not yet heard of appointment of any  
guardian in England for Jefferson interests,  
until this is done Estate cannot be settled.

I subscribed for four new shares of  
Turner Falls Stock & bought seven  
under cover. Lunched with Henry at  
Youngs & bade him good bye at 1.45  
P. M. in the doorway of 15 State St.  
he to take 7.30 train for W., I to  
come out to Cambridge for the night.  
C. seems in good spirits & not over-tired.  
She & I have just spent evening in  
hall listening to E's reading a chapter  
from David Copperfield - a real treat.



Cambridge - Worcester

Ther      Friday, Aug. 30, 1918      Wea  
Time

Clear & cool with light variable winds.

In Cambridge Garden a Red-eyed  
Vireo uttering, listlessly, a few song  
notes, about 10 a.m., was the only  
bird of any kind that I could see  
or hear this forenoon.

At the Concord farm I noted  
only a Song Sparrow, a Cat bird,  
a Humming bird (white-throated) &  
an Olive-backed Thrush (heard  
calling at evening in Forsythia  
thicket front of house.

Spent part of forenoon in Museum,  
writing letters & clergies. Also sat  
with C. in her chamber for about  
an hour, seeing her again for a few  
minutes just before starting for  
Concord at 2.25 P.M. Gilbert &  
went by the usual Arlington Exp.  
Before I went & reached Farm at 3.40  
Picked strawberries & strolled about  
until supper time.

Concord.

Ther      Saturday, Aug. 31, 1918      Wea  
   Dull

Forenoon cloudy & misty, Sun shining  
1-4 P.M. After that a succession of  
brief showers. Cool & rather wind all day.

My observation of birds limited to those appearing close about our house, which were as follows: 2 Cat Birds, 3 Song Sparrows and 4 Towhees in or near nallet, rear of bird bath; a white-thr. Hummingbird at Salvia blossoms & driven thence by a big Dragon Fly which he seemed much afraid of; 2 Cedar birds on wing; a brood of young Goldfinches on wing, following a parent bird, with incessant plaintive calling; 4 Robins eating worm cherries; Crows cawing far & near.

My forenoon spent in flower garden  
with George digging up & transplanting  
various things. Gilbert motored to  
Cambridge with strawberries for C. &  
a lot of Phlox for Perry to set out in  
our garden. I cooked & ate a solitary  
dinner. In P. M. finished a quart of  
strawberries & a quart of raspberries.



Concord.

Ther

70° may.

Sunday, Sept. 1, 1918

Wea

Superb.

Brilliantly clear & refreshingly cool with light northerly wind.

Bird life about the Farm at low ebb. Solitary Vireo singing a little in sun. 2 Robins near here yard. In or near Forsythia thicket front of house 2 Catbirds & 2 Towhees; also an unseen White Throated Sparrow chirping. I heard him there on August 24 & 25. No doubt he is the self-same bird that summured near our Cook pasture. Crows cawing incessantly & a Jay screaming furiously. A Swallow too far away to be identified passing south by in air.

Spent most of day in house writing letters. Also cut grass of dooryard with lawn mower. In late P. M. paid Gung a visit. Found him working among his incomparable flowers which surpass in beauty & luxuriance all I have seen elsewhere; the young Crows thriving - an amusing bird

Concord.

Ther

Monday, Sept. 2, 1918

Wea

Perfect.

A duplicate of yesterday with almost precisely similar conditions of wind & weather.

Still fewer birds. They included only a Robin, a Maryland Yellow throat, and <sup>an</sup> Indigo bird, in our dooryard; two or three unidentified Warblers in top of big elm; Crows cawing; Bobolinks heard calling afar off. Giving a walk this Berry Pasture just before sunset. I failed to see or hear a bird of any kind. Wild grapes in fair abundance are ripe or ripening there now. Our dooryard flowers are at their very best or nearly so.

The Turnias in the circular bed have now made a brown show.

Spent forenoon mowing lawn, sorting apples & picking strawberries & raspberries which Gilbert took to Cambridge after dinner. Called on the Howes in late P. M. seeing Mr. H. & his daughter.



Concord.

Ther Tuesday, Sept. 3, 1918 Wea  
Local birds scarce, almost no migrants. Fine

Clear & cool with light easterly  
wind. Clouds gathering towards sunset.

Continued scarcity of birds, both  
large & small. I see or hear no  
juncos, Pheasants or Partridges  
and few if any Warblers seem to  
be passing on migration. For the  
nocturnal hissing calls of the last-  
named birds I have listened night  
after night so nearly in vain that  
only one such chirp has been heard  
since I came here on August 23.  
The few birds appearing daily about  
the house are all thus far of  
summer resident kinds. In our  
woodland there would seem to be  
no birds save numerous Crows & a few Jays.

In the woods with my gun soon  
after breakfast: later with basket  
& botany box picking wild grapes  
& digging plants to set out around  
bird bath. More grape picking in P.M.

Watering plants at eve. Beebe &  
picking apples. George ploughing.

Concord - Boston - Cambridge

Ther Wednesday, Sept. 4, 1918 Wea  
C. returns to Miss McDowell's Hospital. Fine

Clear & warmer with light southerly  
wind. Early morning cool & foggy.

Cambridge Garden birds. All I could see  
or hear in late P.M. (4-6) were 2 ad. ♂♂  
Goldfinches, in worn & faded nuptial  
plumage, which alighted on a patch of  
bare earth in vegetable garden & remained  
there several minutes. Percy tells me  
he has noticed only a very few birds  
about this place of late.

Left Concord by usual 8.05 train.  
Sat with Edward Emerson until we  
reached Lexington, after that with George  
Keggs. Walked fr. North Station thro  
Union St. to Father Fish - Ransom's &  
there ordered seed wheat & winter wheat  
to plant at farm. Spent most of day at  
office where I saw Arthur & the rest.  
Dictated several letters to "beneficiaries"  
at Wolfboro & Andover. Home by 4 P.M.  
leaving them to receive me. C. had gone in  
town by 7.00 car on horse car to Miss  
McDowell's private hospital to prepare  
for operation to remove Dr. Gilling arrived at  
to spend night at our home.



Cambridge - Boston

Ther Thursday, Sept. 5, 1918

Wea  
Fine

Operation on C's right eye

Clear with light southerly breeze. Warm  
thro day, cool at morn & eve.

Garden birds. A general dearth of  
all bird life & seeming total absence of  
south-bound migrants such as are  
usually coming & going numerous at this  
season, are quite as marked here as at  
Concord. Within our grounds to-day I  
could find but one bird, a silent Jay.

After an early (7:30) breakfast Dr. Gehring &  
I motored to Boston to be with C.  
during operation by Dr. Cheney, assisted by  
Dr. Spaulding, on his right eye. It began  
at 9:30 & lasted almost an full hour during  
most of which I sat reading at the Vendome.  
Towards its close I walked up Newbury St.  
& met Frank Manning. Dr. Gehring soon  
joined us with reassuring news that  
everything had gone smoothly & well. He &  
I then motored first to the Courthouse & then  
to our office where we spent half an hour &  
he was introduced to Miss Walker. Then  
we went to North Station & looked  
together. He took 1:15 train for Portland &  
I returned by trolley car to Cambridge.  
Spent P.M. in Museum & Garden, looking  
in front hall & reading David Copperfield.

Cambridge - Concord

Ther

Friday, Sept. 6, 1918

Wea  
Fair

Alternating clouds & sunshine,  
mostly the latter after 11 A.M.  
Rather warm. Light westerly winds.

Cambridge Garden. Heard the whining  
call of a Red-eyed Vireo. No other  
evidence of any feathered creature  
about our place this morning.

October Farm, Concord. 2 Cat birds &  
Maryland Yellowthroat in dooryard  
shrubbery; a Chippy in bird bath;  
several Towhees calling vacillantly,  
near grape vines ripe fruit of which is  
already much damaged by these or other  
birds; Crows cawing far & near.  
This is the full list of all I saw  
heard here to-day.

Silbert & I started for Concord at  
10:30 A.M., taking the usual Arlington  
Rwy., Bedford route. Reached Farm  
about 11:45. Spent most of P.M.  
strolling about near house. Bluebirds &  
Jays finished ploughing grass field.  
as ~~was~~ <sup>was</sup> ~~near~~ <sup>near</sup> C. "had comfortable day"  
I saw through telephone this eve



# Concord

Ther

Saturday, Sept. 7, 1918

Wea

Fair

Mostly sunny with light, cool  
northerly wind.

Marked increase in number & variety  
of birds. They included some evidently  
just arrived fr. further north as a flock  
of 10+ Jays, a Groanson's Thrush & a  
Wood Pewee. The jays appeared all together  
at 7.30 a.m. They spent whole day in  
orchard & oaks behind barn, feasting on  
sweet corn & acorns by turns &  
making lots of noise. The Thrush was  
eating elder berries flying up to pick  
them fr. the cyms, on wing. There  
were also other birds in backyard - a ♂  
Downy, an ad ♂ Goldfinch & 3 young,  
6 Towhees eating Brighton grapes, 2  
Indigo birds, 2 Cat birds, 2 Song Sparrows,  
6 Chiffchaffs & a Wood Pewee (in case).

Found a downy black feather of  
Great Horned Owl on lawn front of  
barn, near chicken coop. How a. came  
there, unless shed by living bird, I cannot  
imagine. Lefty claims to have heard a  
big Owl hooting lately by night near barn's  
gully, heard the last winter.

Spent most of day out of doors,  
picking grapes & strawberries, bird  
watching etc.

# Concord.

Ther

Sunday, Sept. 8, 1918

Wea

Dull.

Early forenoon sunny; remainder of day  
cloudy with light rain in late P.M. & eve.  
Very cool. Light N.E. wind.

At least 20 jays about the farm all day  
screaming, chuckling, mimicing Bullock's Orioles,  
flitting hither & thither near house & barn,  
talking across from tall oaks & single hemlocks  
from sweet corn ears, occasionally bathing.  
These, without doubt, came from somewhere  
further north. There seemed to be no other  
migrants from that quarter, 6 or more  
Towhees eating grapes, 4 Cat birds & 6  
Robins feasting on elder berries, a Canada  
Nuthatch (the first noted here this year),  
a Downy, 3 Song Sparrows, 2 Indigo birds,  
a Goldfinch & a Chiffchaff paid out  
dooryard more or less frequent visits.  
In woodland. I could find nothing  
besides Crows and Oven bird & a few  
Chickadees. Others are the Mig. Warblers?

Spent most of forenoon working  
about farm & woodland. In P.M. picked  
2 quarts of Hesperis & a pint of  
Raspberries. Only one native cat (Toad) &  
one native cycle (lizard) to-day.



Concord.

Ther

Monday, Sept. 9, 1918

Wea  
Fine

Clear & cool with light northerly wind.  
Heavy rainfall thro. last night.

Little change in bird life hereabouts  
from day to day. Besides the noisy  
jays, still present in only slightly  
lessened numbers, there was one other  
bird fr. further north, presumably, a  
Red-bellied Nuthatch in red pines near  
Ritchie place. I saw this on wing a  
flock of 12 Bluebirds accompanied by  
at least 25 Chippies, all streaming  
low overhead over fields & woods.

Our dooryard birds included 2 or 3  
Cat birds, several Towhees & Chippies,  
2 Indigo birds & a Phoebe besides  
the jays.

All the young Green Frogs have left pond  
in front of house perhaps because of a  
large Garter Snake seen there yesterday.

Spent most of forenoon at Ritchie  
place with Bartrank & Teph removing  
humbugs from shrub, most of afternoon  
at Farm with Teph who repaired  
rusty hinges & camp.

Concord. (Farm & Ball's Hill)

Ther

Tuesday, Sept. 10, 1918

Wea  
Fine

Clear & warm with light, soft, southerly  
wind all day followed by bracingly  
cool & fresh north-west wind at evening

Few birds noted about Farm & all  
these of summer resident kinds. They  
included a Robin, 2 Cat-birds, a ♀  
Maryland Yellow-throat, all seen or  
heard close about house. The jays  
seem to have passed on & the Towhees  
no longer trouble the grapes perhaps  
because I have partly covered two of  
the best-bearing vines with canes.  
A brown Marsh Hawk, hunting for  
prey, skimmed low over cornfield  
at Ritchie place while I was there  
at 8.30 a.m.

Spent forenoon at Ball's Hill with  
Teph & Gilbert, clearing out a lot of  
things from abandoned camp.

While there noted only 3 birds, a  
crow, a Kingfisher & a Hairy Woodpecker.  
Worked in flower beds in P.M.  
To Ritchie place at evening.



First frost (white). Concord.

Ther Wednesday, Sept. 11, 1918 Wea  
38° - 62° - 50. Fine.

Brilliantly clear with light N. to N.E. wind. First hoar frost whitening all our fields at sunrise, doing little or no damage hereabouts but very much to tender crops in other places, especially near Concord & Hingham, according to the newspapers.

Renewed scarcity of birds. All I could find during rambles about our farm, to the Kitchie place & thro Berry Pasture were 3 Robins, 3 Catbirds, 2 Song Sparrows, 4 Juncos (at grapes), 4 or 5 Jays, a Purple Finch (heard) a ♂ Downy in locusts front of house, a White bel. Nuthatch in dooryard elm, cawing Crows heard for & near.

The general absence of all woodland bird life & total absence of migrant Warblers are marked features of this strongly birdless season.

Rambling about in forenoon.

In house, heard of P.W. Not feeling right all day.

Concord

Ther Thursday, Sept. 12, 1918 Wea  
Fair

Mostly sunny but partly cloudy & very heavy, with cool easterly wind but no frost. That of night before last killed all squash vines at Kitchie place, George says. Except for a maple branch here & there in swampy places there is no autumn coloring as yet.

4 Cat birds, 4 Robins & 3 Cedar birds eating elder berries in dooryard. 6 Juncos feasting on our choicest grapes (Moore's early, Brighton, Rogers, Warden) of which they have left scarce a bunch intact. They do not commonly devour them but pick into one side & sink out most of the juice. As if to add insult to injury they have befouled the clothes (with excrement) that I put out two bins hoping to safeguard the fruit. Two Night Hawks passing south at eve. No other migrants noted.

Spent forenoon & afternoon in birding work of many after noon in forenoon. 18 Starlings (4 quads) & 1 Catbird (3 quads).

Mr. & Mrs. Garfield called this evening 8-9



Concord - Cambridge

Ther

Friday, Sept. 13, 1918

Wea  
Stormy

Heavy N. E. storm with violent wind and flood of rain in forenoon followed by dark, foggy, drizzling afternoon.

Birds in Cambridge garden. 12+ Robins eating ripe cherries, a Flicker, 2 unidentified Warblers whose sharp, metallic chirping inclined me to think they must be Tanager, an unseen Water Thrush identified solely by its characteristic. Staccato alarm note.

Gilbert & I left this farm at 10.30 & recanted. Cambridge about 11.45, bringing down a fine lot of fresh strawberries & raspberries some of which were later taken in town by Percy for G. & for Arthur Estabrook while I took down to 80 Sparks St. where I had a pleasant chat with Mary & George Deane. Mrs. Cobb came to see with E. R. S. & me in the den. After seeing Mrs. Cobb home I enjoyed a chapter from David Copperfield read to me by E. in front hall.

Cambridge - Concord

18

Ther

Saturday, Sept. 14, 1918

Wea  
Fine

Sunny & just seasonably warm -- or cool -- with light southerly wind.

Birds in Cambridge Garden. Half a dozen Robins & a Cedar bird, eating ripe cherries; Flicker heard calling; a juv. Black-poll Warbler well seen at close range in lilacs when it flew into juniper, joining 2 or 3 others with similar soft, chirping call, & perhaps of same species, although the only one I got sight of for an instant looked more like an ad. ♂ Bay. Breast, showing blackish wings & tail and I thought some chestnut on flanks.

Birds at Octobus Farm, Concord. Towhees, 2 birds & a Swainson's Thrush in large shrubbery; 15+ Chaffins & an Indigo bird in mullet; Jays & Crows.

Spent part of forenoon in Garden. To meet. Comp. Tol. at 11. Henshaw gone to Boston. Saw only Nelson Miss Anthony de got Bird Register to use in writing Report. Dined with E. R. S. in den. Motored to Concord 2.30 along usual Arlington, Long, Bedford route. It was the longest with cars nearly filled with soldiers.



Concord.

Ther

Sunday, Sept. 15, 1918

Wea  
7 in

Clear with light westerly wind.  
Warm through most of forenoon  
& afternoon when the flying notes  
of Cicadas came frequently to my ears.

Removal scenery of birds. Several  
Robins, at least 6 Catbirds, perhaps  
as many Towhees, rather more  
Chippies & two or three song Sparrows  
frequented the dooryard & shrubbery all  
day. Besides these I noted only  
a Redstart in a pl. with several  
Chickadees, in the trees; a White-  
Throated Bluebird at the flower bed;  
a Flicker, several Crows & Jays.  
That is surely a meager list for  
such a perfect day at what  
should be the height of Warbler  
migration time here. Apparently  
there are almost no Warblers passing.  
I neither hear them by night or see  
them by day, at least.

Spent much of day rambling about  
a part in downy vortices. Picked  
a lot of Sarsaparilla & St. John's wort

Concord.

Ther

Monday, Sept. 16, 1918

Wea  
Fair

A few migrant Warblers passing.  
Partly sunny, mostly cloudy. Warm  
southerly wind.

Usual assemblage of Cat birds, Towhees,  
Chippies & Song Sparrows in dooryard  
shrubbery. With them a ♂ Goldfinch in  
unchanged summer livery. Cedar bird  
at Ritchie place. Two Warblers that  
chirped like Black-throats but kept so  
high in trees, among dense foliage, that  
I could not identify them, appeared  
near old barn this morning. At  
10 o'clock last night I heard a  
migrating Warbler of some kind.  
I flushed 2 Partridges shortly after  
sunset, one near Barnett spring,  
other in Cedar Park.

Gray Squirrels scarce. Shot at one  
last evening in hillory, foot of lawn, &  
saw another to night near Ritchie place.  
They have done little damage to our corn.  
Red Squirrels rather numerous & widespread.  
Only a few Chipmunks & these close  
about the house.

Worked one Mice. Report in A. M.  
Smith Dexter came to dinner at 12.30 &  
stayed until 3.30. Called at the flower  
with raspberries at 6 P. M. & walked thence  
to Tappin's camp & back to his beach place.



Concord.

Ther Tuesday, Sept. 17, 1918 Wea  
Fair

Thin cloudy; oppressively warm &  
humid with light southerly wind.  
Brief showers & distant thunder, late P.M.

A Robin in lane; several Cat birds,  
Chippies, Towhees, a Song Sparrow, a  
Goldfinch & a Downy in our dooryard;  
Bluebirds heard calling & a flock of  
7 Starlings seen on wing; at least  
15 Jays scattered all over the place  
& very noisy; Crows cawing.

Only northern breeding bird a White Throated  
Sparrow seen in Forsythia bushes & he,  
of course, may well have been the self  
same as the one that summered here.

Spent entire day out of doors. In  
forenoon picked apples, in afternoon  
strawberries. Also helped Bartlett  
put in a cement foundation to back  
wall of pigeon pen to keep out rats  
they having killed three of our Bantam  
chickens there of late. Took cutting  
down mulberry tree & others. Geese went  
off on a spree last Friday & has not  
yet returned.

Concord.

Ther Wednesday, Sept. 18, 1918 Wea  
Stormy

Dark cloudy with strong, chill  
N. E. wind & almost incessant  
heavy rainfall. Clouds breaking &  
blue sky showing, at sunset.

Because of bad weather I did not  
get far afield all day. Near the  
house were the usual dooryard birds  
Cat birds, Towhees & a host of Chippies  
constantly calling & flitting to & fro  
save at one time in forenoon when a  
♀ Sharp-shinned Hawk suddenly  
appeared over field in front of house  
& glided like a shadow into our larger  
dooryard elm where she remained  
perched erect & motionless for several  
minutes evidently watching for prey  
but sighting none for all the little  
birds kept silent & close by until  
after her departure. Watching her thro  
my opera glass & our east window I  
saw plainly that she was the mother.  
Worked on Museum report  
when not supervising Bartlett who  
was sheathing lower attic wall with  
thin oak. Also picked some raspberries



Poncord.

Ther Thursday, Sept. 19, 1918 Wea  
Fine

Early morn. densely cloudy & foggy.  
After 10 a.m. bright sunshine, soft  
southerly wind & almost midsummer  
warmth - especially enjoyed by  
Butterflies & Dragonflies innumerable  
flitting & skimming hither & thither  
over flower beds & field. One Cicada  
heard.

Bird life scantier than ever. Jays,  
Chippies & Cat birds the only plentiful  
species. A single Towhee & Indigo bird,  
3 Cedar birds an unidentified Warbler  
that chirped like *D. virens* & a few  
Crows. Complete the list of birds  
noted about the farm. There was  
one other one. Flicker that had  
gone to roost within our old barn  
when I startled him at evening.

Spent most of day working  
on Museum report - a trifling  
task yet one difficult for me to  
accomplish satisfactorily. Also packed  
strawberries & raspberries. Good news  
from S. She is up again & yesterday  
looked across street at the dentist.

Poncord

Ther Friday, Sept. 20, 1918 Wea  
Stormy

Dark cloudy & very misty for most part  
but with occasional brief gleams of  
sunshine between drenching showers  
which followed one another closely  
driving upon a strong, warm S.W. wind.  
The total rainfall must have been  
considerable & everything is water soaked.

Almost no birds save Cat birds,  
Chippies, Towhees, Jays & Crows, all  
of which were to be seen or heard  
more or less numerously not far  
from the house. Besides these species  
I noted only one other, the Hummingbird  
of which a white-throated example  
came to our flower beds, visiting  
especially Salvia & Nasturtium.

Poison ivy beginning to show red  
leaves & one maple across road wholly  
afflower with that color.

Two Tree Toads in lightning blasted  
oak behind barn cut down by Sept  
yesterday. One remained in hole (50 feet  
up) & clung to it when tree fell. He was  
still in it this morning & quite unharmed.

Spent most of day in house working  
on Museum Rep. & finishing it.



# Concord.

Ther Saturday, Sept. 21, 1918 Wea  
Fair

Forenoon dark cloudy with several light showers. Afternoon brilliantly clear with fresh, cool N.W. wind. Raining very heavily all last night.

More birds in evidence but only three obviously from further north, viz a Junco, a Black Poll & a Thrush that looked like a Swainson's but was not certainly recognized as such. There was one other and that a splendid Osprey soaring in narrow circles high over Pulpit Rock woods, all the while drifting southward before northerly wind. Thus passing he was watched by me for several minutes, in bright sunlight, at 3.30 P.M. A Hummer at the Salviae. One Robin on lawn. Cat birds, Towhees, Chippies & Jays as far as a week or more past. Burbank & I spent forenoon in house cheating game & flooring back entry. Leph & I burned brush in P.M. George returned last night from a spree begun a week ago yesterday.

# Concord

Ther Sunday, Sept. 22, 1918 Wea  
Bright & cool of migrant Warblers Fine

Brilliantly clear with warm sun & cool N.W. wind. Hard frost last night in neighboring places but none here. (Hodgman says water frozen at his farm)

Marked increase in number & variety of small birds including four evidently just arrived from further north as a Swainson's Thrush, Townsend Warbler, Water Thrush, 3 Black Polls, 2 Redstarts (one ♂ ad.), 2 Juncos. Most of these were in Cedar Park. One dooryard frequented by the usual mob of Cat birds, Chippies & Goldfinches with one Song Sparrow. No Towhees there but then heard elsewhere in woodland. Started 3 Partridges, one in Cedar Park, another near Pulpit Rock, third in Prescott Pines. Saw ♂ Cooper's Hawk flying S. low & swiftly with incessant long calls. Fewer Jays. Spent entire forenoon in woods, visiting Berry Pasture, the Run, Bird Field & Prescott pines. In P.M. wrote letters, peeled Strawberries (about 3 quarts), & visited Retikin place.



Concord

Ther Monday, Sept. 23, 1918 Wea  
Fine

Early morn cloudy & cool. Remainder of day sunny & warm with light southerly breeze.

... many birds. Tanagers calling in trees, Nuthatches in elm behind house, Cat birds & Towhees in dooryard shrubbery, two or three robins & unidentified migrant Warblers in run. A few Crows & Jays. White-th. Sparrows - at least 2. Accompanied by a Salvia. & Sharp-shin Hawk soaring & gliding overhead, high in air over orchard.

Spent entire day out of doors. - most of it in run with Jeph cutting out a new road leading to red pine grove. We burned our brush in the old swamp cellar hole. Two Spotted Tortoises came to light therein & remained there, too, as far away from the fire as they could get. We removed one but he soon crawled back.

Concord (Farm & Ball's Hill)

<sup>Great Blue Heron & White-th. Sparrow.</sup>  
Ther Tuesday, Sept. 24, 1918 Wea  
Mixed  
Cabins again broken into, in ~~some~~ <sup>some</sup> for  
migrant Warblers & Thrushes in ~~some~~ <sup>some</sup> for  
light rain falling thro much of last night & this forenoon. Afternoon sunny & warm with light W. wind.

Migrant Warblers in small flocks scattered in various places. Unfortunately I did not have opportunity to identify any of them positively. Most of them seemed to be Blue-jays, a few D. virens. This I inferred from their chirping calls.

While at Ball's Hill I saw 3 Thrushes feeding together on berries of Bull-brier. Two of these birds were certainly Swainson's, the third presumably the same.

A young Great Blue Heron flew close past the cabin just as we reached it. Several hours later we saw him alight in marsh across road & rowed past him within 80 yds. A Kingfisher perched over river by boat landing a Green Heron by head, an adult G. Heron.

To Ball's Hill for day at 9 A. M. taking Burroughs, Jeph, George & Gilbert. River there has again broken into the cabins by smashing the paddocks on the log cabin, my sleeping room & the chestnut cabin. Only a few trifles missing for few were left there. We crossed the river & found I think best house intact. Walked home at 8 P. M.



Concord.

Ther Wednesday, Sept. 25, 1918 Wea

Heavy, yet not damaging, frost over night. Delightfully sunny, serene & windless forenoon with warm sunshine.

Clouds gathering & chill N.E. wind rising in afternoon. Butterflies & Dragonflies out in force during midday hours.

Towhees, Cat birds, Chippies, Goldfinches & Robins. Thrushes, & Downy Woodpecker, an Indigo bird & a Red bellied Nuthatch. Spent most of day in or near our dooryard. In neighboring woodlands I saw or heard only a few Crows & Jays & a Brown Creeper. Apparently there were no migrant Warblers or Thrushes anywhere about the place.

George & I spent most of forenoon setting out ferns & mountain Laurel brought from Ball's Hill yesterday. In afternoon we moved a lot of garden plants to new places. Jack burning brush & splitting wood of big lightning shattered oak near barn. Burbank ploughing & harrowing.

Concord

Ther Thursday, Sept. 26, 1918 Wea Stormy

North-east rain storm beginning before daybreak, lasting through whole day, accompanied by very heavy rainfall, flooding low places everywhere.

No south bound migrants noted unless Jays may be so classed. They so swarmed everywhere about the place that I must have seen about 20 of them.

Our dooryard seemed alive with birds darting hither & thither across the lawn from one belt of shrubbery to another & filling the air with their calls. One could scarcely look anywhere without seeing one or more of them, on wing or perched.

Yet they probably were the self-same birds here for the past month or so & including 5 or 6 Cat-birds, about as many Towhees, rather many Chippies, several Goldfinches, 3 or 4 Robins & at least 1 Indigo Bird.

Spent forenoon in house, working letters & directing Carpenter work of Burbank & Jack. With latter I went to Birch Field in late P. M. to set fire to the big brush heap there. It burned scallily so we left it.



Concord

Ther

Friday, Sept. 27, 1918

Wear  
fine

Brilliant sunshine all day from a sky sometimes cloudless but mostly half filled with scattered clouds driving fast by a strong east wind. Rather cool but not too much so for Butterflies of several kinds to be out in considerable numbers especially our *Tussius* & *Aster*. There & all other flowers as yet unharmed by frost & very glorious to behold. Never before at this season & place have they made a better show, especially throughout the old lawn which is simply ablaze with color, partly contributed by autumn foliage already brilliant when maples & oaks abound.

Although out of doors all day I noted few birds & these mostly close about our house where the usual Cat-birds & Towhees were much in evidence.

In Birch Field I saw only a small party of Chickadees & some Crows & Jays. We burnt the big brush pile there giving all day to it. It burned very satisfactorily & sent too freely

Concord (Farm & Ball's Hill.)

Ther

Saturday, Sept. 28, 1918

Wear  
fine

A day of cloudless skies, strong southerly wind and almost summer warmth which brought out Butterflies and dragon flies of various kinds in even greater numbers than yesterday. About noon I heard a Cicada's frying notes - a rather late date for them to be noted, if I remember rightly.

Autumn coloring now widespread and brilliant in many lowland places especially about edge of the river meadows.

Not many birds & no northern derived ones save a young ♂ Sharpshooter (in Howie's orchard), 2 White Thr. Sparrows & a Black poll. 4 Robins, 1 Cat bird, 2 Towhees, several Chipping & a Song Sparrow, in our dooryard scattered joys & sorrows.

Gilbert Jeph & I went to Ball's Hill this morning & spent forenoon there, putting bottled iron plates on cabin doors & iron meadows deeply fenced.

In P. M. picked healthy apples & straggled about farm



Concord

Ther

Sunday, Sept. 29, 1918

Wea  
Perfect.

Heavenly sort of Indian summer-like day, the cloudless sky a tender blue, the air soft & warm, a moderate westerly wind blowing steadily.

Red maples & poison ivy ablaze with autumnal coloring, high blueberry bushes already deep wine red. This is evidently about the height of the first stage of autumn's glory.

Local breeding birds of several kinds still lingering rather numerously about our dooryard. Of migrants from further north I saw three at 8 a.m.

4 Black-poll Warblers in a locust, at evening a Swainson's Thrush in <sup>also heard flight call & flicker.</sup> bird bath. Our woodlands seemed utterly deserted save by Crows & Jays.

A single Rusty Grackle in Robin's cornfield.

Spent most of day out of doors visiting Ketchikan place (twice), Barry Pasture & Birch Field. Dyer came down in forenoon. We had a long talk & he gave me much friendly & valuable advice in referring matters.

Concord

19

Ther

Monday, Sept. 30, 1918

Wea  
Perfect.

A near duplicate of yesterday as respects wind & weather but note quite so warm.

Dooryard birds mostly Chaffins (about a dozen) & White-throats (some 5 or 6). Only one Robin, Catbird & Song Sparrow; apparently no Towhees. A Nuthatch in elm behind house, a Flicker & a young ♀ Sapsucker in elms over lane. Afterwards I saw the Sapsucker in orchard trees. He/she kept up a frequent low tapping.

Shortly after breakfast time I saw a flock of about 15 Rusty Grackles flying low towards our patch in Barry Pasture and somewhat later a ♀ Pigeon Hawk flying swiftly, with feathers wing beats, over field in front of house, just above tops of trees & straight on S. W.

One Warbler (probably Black-poll) heard.

Spent day picking wealthy apples, with Gilbert's help, from trees behind house. It yielded about 8 bushels of the present fruit it has ever borne. George & Barbours began picking Baldwins.



# Concord

Ther Tuesday, Oct. 1, 1918 Wea  
Very many birds appear. Perfect.

Cloudless, absolutely windless, very warm, delightfully serene especially when sunset was near at hand. Maple coloring at its very best - a truly glorious show just now.

Our dooryard swarming all day with little birds. They included a Robin, Gray-cheked Thrush (large, gray tawny bird), at least 4 Cat birds (all in bird bath together at noon), as many Towhees, a score or so of Chaffins, not less than 15 White Thr. Sparrows, about a dozen Juncos, an ad. ♂ Song Sparrow (he sang twice loud & most sweetly), a juv ♂ Scarlet Tanager, a Downy in elms by house, a Sapsucker in tree over lawn, one Black-jack, a juv ♂ Solitary Vireo ♂, 5 Rusty Grackles & a Sharp-shin on wing, Pheasant hid in trees.

Spent most of day near house directing Lefty's work on wiring for raspberry bushes & planting for pond. Buried & Lenz peeling apples. Gilbert returned to Cambridge.

# Concord

Ther Wednesday, Oct. 2, 1918 Wea  
Fair

Sunny thro most of day but cloudy at noon & eve with light rain at both hours. Rather warm. Light westerly wind.

Maple foliage a trifle past its autumnal prime but still very glorious to behold - especially in our Berry Pasture.

No plant life anywhere about our farm has suffered any injury as yet from frost.

Birds in less numbers & variety than yesterday but still plentiful enough - particularly Cat-birds, Towhees, Chaffins & White-throats. Sapsucker in tree. Solitary Vireo in orchard, also a Ruby-crown Kinglet (heard chattering) but many Jays. Local resident Crows very noisy. Pheasant calling. Fish Hawk at 3 P.M. over Berry Pas. at height so great he looked no bigger than a Pigeon, soaring on set wings in narrow circles & drifting off S.W. Fresh Crow tracks in ploughed land near well house.

Spent entire day picking Weatling apples, getting about 5 bushels. Lenz & Burbank picked Baldwins & Lefty cutting brush & hedges, & so on.



## Concord

Ther 70°, 60° Thursday, Oct. 3, 1918  
Autumn coloring Wea Fair

Mostly sunny, partly thin cloudy.  
Very warm & humid. Light W. wind.  
Hylas calling, Tree crickets chirping  
littlesly towards evening.

Of dooryard birds I noted 2 Catbirds,  
1 Robin, 2 Towhees, about 15 White thro.  
Sparrows, 1 Song Sparrow, 3 Goldfinches,  
a Tanager & a Sapsucker. Also  
heard occasional chips presumably  
uttered by one or more Black-polls.  
A few juncos flushed in windy places.  
A Fish Hawk passed at 8 a.m.,  
flying straight & fast S.W., not  
more than 50 ft. above the taller trees.  
Heard a Pheasant crow once - 4 p.m.

John & George renewing worn out  
planting of entrance to Kitchin barn.  
I was with them much of day.  
Also remained about enjoying the  
splendid show of autumn coloring.  
It now includes the hickories, sumacs  
hazel etc. as well as maples & birch.  
Rarely if ever have I seen a more brilliant here.

## Concord

Ther 38°, 64° Friday, Oct. 4, 1918  
Wea Fair

Brilliantly clear with brisk, dry  
wistly wind. Rather warm this day.  
Hose frost at sunrise.

Cat birds apparently gone; also Chipping.  
Other dooryard birds nearly same in  
numbers & variety as for several days past.  
They included a Robin, Thrasher (in  
brush at rear of old barn), a Song Sparrow,  
about 15 White throats, 2 Towhees (a  
bird at Kitchin place), one Indigo bird,  
a. Silver Phoebe (in elms, also near  
barn cellar). Two Song Sparrows singing  
in elms at Kitchin place. Swainson's  
Thrasher in Cedar Park (will send call  
note heard). Red-bellied Nuthatch  
heard in trees over road near by elms.

Red Squirrel abundant all over  
ten place. 4 or 5 living in wood pile  
close to house. A good many chipmunks  
very few Grays. One from cornfield  
at Kitchin place seems not to be much  
harried by anything as yet.  
Spent forenoon at Kitchin place where  
was finished grading driveway to barn;  
after noon in Back Pasture cutting  
brush with Japle.



Concord.

Ther Saturday, Oct. 5, 1918 Wea  
Dull

Cloudy & rather warm with high southerly wind.预示着 rain of which, however, only a few scattered drops fell.

Birds comparatively scarce again. 8 or 10 White-throats, 2 or 3 Towhees, a Song Sparrow & a Downy were all I noticed in or near our dooryard. Elsewhere I saw a few Crows, a big Fish Hawk (flying straight S. W. over Cedar Park & River just above the latter tree tops at 8 a.m.) a flock of about 30 Blackbirds (which looked & flew like Thrushes but uttered no call notes within my hearing as they passed low & swiftly down south over Retchin place), a Partridge flushed near Puffer Rock.

Autumn coloring still glorious with few trees bare as yet. It now includes hickories, hawthorn & sumacs all at their very best.

Spent forenoon in or near house where Burbank & I were carpentering. I & I went to Retchin place & Birch Field in P. M.

Concord

Ther Sunday, Oct. 6, 1918 Wea  
Fair

Early morning cloudy with light rain falling. Brief thunder shower at 4 P. M. Remainder of day sunny & very warm with moderate southerly wind.

Autumn foliage still glorious but foliage of red maples & gray birches falling fast throwing the ground thickly with crimson & golden leaves. Old gold of hickories now out its best.

Birds plentiful again. In our dooryard a Robin, a Cat-bird, at least 3 Towhees & about 15 White-throats, 6+ Chippies, as many Juncos, one Song Sparrow; at Retchin place a dozen or more Chippies & Juncos; in Green Field about 20 Juncos & 2 Field Sparrows; in Birch Field a Hermit Thrush (chattering among young pines) & a mixed flock of 5 Chickadees, one Ruby-crown, a Talon Warbler & about 10 Black-polls, all feeding together at sunset in gray bushes.

Here, also, I saw 2 Great Blue Herons pass over high in air S. W. one following other several minutes later both taking exactly same course & behaving boldly while within my hearing. Spent most of forenoon in house writing letters. To Birch & Green Fields in late P. M. Dressed again, down in early P. M. to get a lot of model coffee.



Concord

Ther

Monday, Oct. 7, 1918

Wea  
Fine

Early morning cloudy. Remainder of day brilliantly clear with warm sunshine & cool north-east wind.

Maples & birches shedding fast, some already bare. Hickories still partially draped in old gold foliage, oaks in unchanged summer green.

Not many birds about the farm or its bordering woodland. A Cat bird, 2 Towhees, a Song Sparrow & several White-throats visited our dooryard pool to bathe. A Phoebe came to the locust tree by dining room window & I heard another at Fitch's place. Juncos to the number of a dozen or so rose from a bed of mulch in the orchard. I heard one Jay & saw a few Crows. About 3 Black-jacks seen or heard. One Yellow-rump in Cedar Park.

Spent entire day out of doors about farm & Fitch's place. Berbank & George picking apples, Zeph cutting down big oaks at rear of house.

Concord

Ther

Tuesday, Oct. 8, 1918

Wea  
Glorious

32°, 62°

Absolutely cloudless skies & pellucid air, warm sunshine and light, cool easterly wind combined to make a perfect day of mid-October type. Everything white with hoar frost at daybreak but it did little damage to our flowers etc.

Comparatively few birds. 2 Towhees & half a dozen White-throats visited the bathing pool to have a dip. Several Juncos in the orchard. A Downy near house. 3 or 4 Yellow-rumps & as many Black-jacks feeding in gray birch tops in Birch Field. 2 Jays plucking Chestnuts near spring.

Crows more numerous than usual & extremely noisy making the still air resound with loud cawing. At Birch Field I heard the bird that says Ca-Ca. Titlarks & Resty Blackbirds heard them on wing.

Spent forenoon in Birch Field and neighboring woodland enjoying the perfect weather & glorious autumn coloring, marking trees to be cut etc. In P.M. I was similarly employed with Zeph, near house.



Concord

Ther 32° Wednesday, Oct. 9, 1918 Wea Perfect.

Weather breeder type of simply perfect mid autumn day, cloudless, almost wholly windless, delightfully warm in sunny places, a trifle chilly in heavily shaded ones.

Heavy frost last night killing all tender vegetation about the farm. I saw some of the flowers about house which we safeguarded by two jets of hose playing all night & by a fire in the open shed. Thus I kept unharmed our heads over the Salvia, the morning glories & a few Fuchsias.

Of birds there were very few to be found anywhere. Our dooryard was visited by only 2 Towhees several White-throats & a Hairy Woodpecker. In Back Field I heard only two or three Yellow-rumps. At Balls Hill only one or two Jays. Crows about were somewhat more numerous than usual & very noisy.

Leaph & I spent forenoon at Balls Hill getting a load of firewood then etc.

In P.M. Burbanks worked with me about his building. Haber Hawk & Mrs. H. called in late P.M.

Concord

Ther 70° Thursday, Oct. 10, 1918 Wea Perfect

Another perfect Indian summer day with little or no wind to offset the warm sunshine. The tender blue sky unbroken by the smallest cloud, Butterflies by scores hovering about asters & other flowers, the plaintive calls of Bluebirds & the vociferous cawing of Crows coming at frequent intervals from near or far.

There were not many birds. About our farm I saw 3 Robins (in orchard) & heard one Towhee - besides Crows & Jays. While crossing the meadow land opposite our home at 2 P.M. I heard the full song of a Grass Finch given twice & very pleasing it was to listen to thus unexpectedly. At the Ritchie place I flushed 6 Chipping & the same number of Juncos from lonely places which also harbored 2 or 3 Song Sparrows and saw 3 Bluebirds one of them on a bird box. Heard a Ruby crown, 2 or 3 Black jacks & a calling Pheasant (far off).

Spent entire day out of doors. In A.M. George & I burned brush in well known meadow. In P.M. I scambled about, picked corn, seeds etc.



Concord

Ther  
70°

Friday, Oct. 11, 1918

Wea  
Delightful.

Continued Indian Summer weather.  
Sky somewhat obscured by fleecy  
clouds & haze through which the sun  
shone dimly at times but ever very  
warmly. Very soft & warm the light  
S. W. wind, also. Altogether a  
reasonably fine of mid autumn day.

Not much autumnal coloring now.  
Its earlier stage has passed, most of  
the maples & many of the birches  
having shed all their leaves. Elm  
& hickory foliage of rich golden tints  
still remains, however.

The bird bath in our dooryard was visited towards noon by a Robin, a Junco, a White Throat, 2 Towhees & 5 Chippies.

In Cedar Park, at least 15 Robins eating  
barberries and one Yellow Bunch flitting  
about with two Chickadees. Several Crows  
were heard. One white Pigeon,  
liberated yesterday, would not come out  
this afternoon presumably because a hawk  
had taken one whose feathers I threw on  
lawn near the pond.

Spent day out of doors. Men digging  
foundations at Ritchie place. Left & I mowed  
lawn. Biggi came to arrange about tailoring.  
Helen to make a few Italian gowns.

Concord.

Ther  
74° W

Saturday, Oct. 12, 1918

Wea  
Dull

Dark clouay with warm southerly wind  
which brought light rain in late P.M.  
A few maples still well draped in  
brilliant foliage & hickories still towers  
of soft old gold foliage splended to  
behold.

Increased number & variety of small birds.  
Several Robins, 5 White-throats, 10 or 12  
Chippies, as many Juncos, a Nuthatch of  
both species, a Pine Finch & 2 or 3 Yellow-  
rumps frequenting trees or shrubbery or  
wood patches, close about our house.  
The Yellow rumps were elsewhere & indeed  
almost everywhere occurring by twos or threes,  
or singly. In oak overhanging road to  
Benson's I saw 4 Black-polls near  
together. 4 Partridges rose at our foot-  
edge of run near the time-honoured  
now deserted drumming wall. Many  
Crows clattering far & near.

Spent day out of door about Farmer  
v Rotchin place, Improving well in name.  
Biggi came with motor truck & hauled all  
my oak & pine logs to mill in 4 loads.  
Harry Spilner came on bicycle at noon & 2

refused him, not over a year  
Spencer left & over said previous after 10. We talked awhile through the door.



Concord.

Ther 74° at 1 P. M., 70° at sunset. Sunday, Oct. 13, 1918 Wea Fine

Early morn cloudy & somewhat foggy. Remainder of day sunny & almost oppressively warm & humid. with strong S. W. wind shifting to W. & cooler, after sunset. Hickories shedding withered leaves.

Heavy flight of Juncos. 25+ in orchard & many scattered everywhere. They came trooping through dooryard with 15+ Robins & a few White throats. Both species & one ♂ Towhee bathed freely. An unusual visitor to the dooryard was a Partridge flushed from lilacs at E. end near lane, 11 A. M. At Pine Ridge I saw Juncos & Yellow Rumps & a Brown Creeper & heard a Ruby-crown singing very sweetly about noon. At least 2 Song Sparrows were seen in or near our dooryard. A few Jays still linger. They & the Crows seem chiefly interested in getting chestnuts now.

Spent most of day in house, writing letters, but went with Sept. to Davis Hill & Pine Ridge in late forenoon to look at cold wood & place for cutting more.

Concord

Ther Monday, Oct. 14, 1918 Wea Fine

Brilliantly clear with fresh, cool N. W. wind but pleasantly warm sunshine. Air filled at times with falling leaves.

Rather many birds, mostly Juncos with less numerous Robins, Yellow Rumps & Peabody birds. One Blackpoll heard. George reports seeing at sunset, in How's woods, "an immense flock of Crows - thousands", he thought. They must have been migrants just in from further north. A Phoebe spent all day in our dooryard where he seemed to be catching many flying insects.

While at the rear of our Bungalow I looked off over Lawrence's broad grass fields eastward & presently saw an adult ♂ Marsh Hawk quartering things close to the ground. While doing so he flushed scores of little birds that looked in the distance like Sparrows (perhaps Juncos) but kept steadily on his way taking no apparent heed of any of them.

I spent entire day out of doors with the man working close about house & barn, taking down frosty fences, pruning trees & clearing up rubbish. Also picked a lot of seed corn.



Concord

Ther 32°, 60° Tuesday, Oct. 15, 1918 Wea Fair

Brilliantly clear with keen, dry N. W. wind. Water froze over night, a few Butterflies out at noon. Typical cool October day.

30+ juncos in miller, 5 Robins in dooryard & 10 in Howe pasture, Hermit Thrush in vine, several Yellow-rumps, 2 Black-bills, 2 Pheasants in field front of house, 25+ Crows, doubtless migrants, circling about Holden Hill, young Song Sparrow singing brokenly in lawn, several Jays in Ritchie cornfield & elsewhere. Deciduous trees now largely bare. Few saw oaks retain green foliage. Grass fields still emerald green & spangled with yellow hawkweed. with yellow Butterflies about it. Most of our cultivated flowers frosted but some dahlias, Zinnia & Salvia near house still soft.

Spent entire day out of doors, working near house in forenoon, in afternoon going to Pine Hill where Biggs was looking over to talk to Capron. In trying to reach Louisa at Depot Hill he missed his truck & left most of afternoon there.

Concord.

20 Ther Wednesday, Oct. 16, 1918 Wea Fair

Light rain before daybreak. Early morning cloudy & misty. After that sunny, calm & very warm all day. Sunset hour of heavenly serenity with Robins calling sweetly in the orchard & Sparrows among ripening millet.

The most interesting bird noted to day was a Hairy Woodpecker. His tic notes came to my ears at 9 a.m. from shrubbery near the poultry yard. At 5 P.M. I started him from a flower bed at east end of house whenever he flew low over the lawn. Scattered Robins flitting to & fro all day. A dozen or more juncos seen & at least one white-throat heard. A Dove & a Nuthatch in our elms. Not many Crows & no Jays.

Spent day working with all three men about farm building, clearing up rubbish, repairing poultry fences etc. Reginald Hester flower called in P.M. for a bushel of greening apples & paid me 1.50 for them.



Concord.

Ther Thursday, Oct. 17, 1918 Wea  
Fair

Weather very like that of yesterday, a cloudy, foggy morning being followed by a sunny, warm day with light southerly wind. There was a little hoar frost at day break.

Only one Butterfly - a Hunter's - about one flower although near the house they continue to make a brilliant show. We are still eating excellent green corn & red tomatoes fresh from the garden daily and there are still plenty of very good & ripe grapes on two or three vines. The woods now bear a wintry aspect in many places.

Not much bird life about the farm. In dooryard a Towhee, a White-throat, a dozen or more juncos & half a dozen Robins (one singing pleasantly, if but listlessly, at 4 P.M.). A few Crows, few Jays.

Brown came this morning to prune apple trees. I was with him most of day. Also worked with Beebeak clearing out barn etc. Zeph & George hauled six cords wood from Davis to Pine Hill.

Concord.

Ther Friday, Oct. 18, 1918 Wea  
Fair

Slight rain before daybreak. Forenoon cloudy, afternoon sunny. Chill N.E. wind blowing through day. Clear & serene towards

Hordes of little birds about the farm. They included at least 50 juncos, about 15 Robins, 4 or 5 White-throated Sparrows, 2 Chipping, a Song Sparrow, a Ruby-crowned Kinglet, a Goldfinch. Nearly all these paid frequent visits to the dooryard and many to its pool while, at times, was literally crowded with bathing birds. One of the Robins sang a little in subdued tones. So also did the Kinglet & Song Sparrow.

Of larger birds I saw only about a dozen Crows & an adult ♂ Marsh Hawk winging his way northward at 4 P.M. high above our orchard & barn. At same hour 6 Hawks passed in same way.

Spent most of forenoon in house writing & supervising carpenter work by Beebeak. Brown & George here, out & about. Zeph did not appear until after dinner & did not go to work for an hour or more later.



# Concord.

Ther 30°, 62° Saturday, Oct. 19, 1918 Wea Fine

Brilliantly clear & almost perfectly windless. Hard black frost last night. Our salvia & dahlias preserved from it by spraying some along lawn wall & warming others in front of shed by an open wood fire within.

Two Yellow Butterflies & lots of Grasshoppers out thru mid day hours.

Downy woodpeckers. About a dozen Robins, 40 Juncos & one or two White-throats. Downy W. in chess. Goldfinch heard.

2 Red wings flying high S. & S. Bluebirds high N. at 8 A.M. 50+ Browned Grackles flying high N. E. at 5 P.M. 75+ Crows circling low about Holden Hill. 2 or 3 Jays & a cock Pheasant in Ritchie's corn field. Grass Finch gave full song twice at 2 P.M. in field just across road from Ritchie place.

Spent whole day at Ritchie place picking yellow corn with Bud Boul, Zeph Lemp & Gilbert. Worked as hard as any of them. We got 34 bushels. Mrs. Melvin called at 4.30 & I was too tired to see her.

# Concord.

Ther 30°, 54° Sunday, Oct. 20, 1918 Wea Fair

Pale sunlight filtering through thin veil of fleecy clouds. They became denser as day wore on & brought light rain soon after dark. Violent S.W. wind blowing after 9 A.M. Hard frost last night. We saved dahlias & salvia again by use of fire & open fire but everything else perished. Some two ripe strawberries were ruined.

Not many birds seen Juncos Robins & Crows. A flock of last named Sparrows contained 25 or more. 2 Tame & Shyish Black-jacks glancing Aptidæ industriously from golden foliage of gray bushes in Cedar Park. 4 Yellow-rumps similarly employed in Birch Field.

Spent most of day in house writing cheques for bills. Walked to Ritchie place in early forenoon & to Birch Field in late P.M. Also picked half a bushel of seed corn. Yesterday I subscribed (through Octobrook & Co) for \$5.00 Liberty Bonds. (Credited to Cambridge) & last week to \$4.00 in Concord.



Concord.

Ther

Monday, Oct. 21, 1918

Wea

Brilliantly clear & comfortably warm  
— or cool. with fresh, bracing W. winds.  
One Butterfly (a Cabbage) on wing.

Autumnal coloring mostly gone by  
as to its earlier stages which the later  
ones bid fair to be disappointing for  
the fall foliage is turning a dull russet  
& already shedding from many of the  
trees.

A Cat bird on well curb at breakfast  
time. Ten or a dozen Juncos & 4 Robins,  
with 2 or more Juncos, also came  
about dooryard & 5 Bluebirds flew low  
over it, calling plaintively. At Ritchie  
place a young Song Sparrow looking faintly,  
a Titlark & 5- Browned Grosbeak on  
wing over cornfield, 2 Jays near it,  
2 Grass Finches in an apple tree,  
a Canada Nuthatch in red pines.

Spent day at Ritchie place with  
Barbark, Zeph, George & Gilbert, picking  
yellow corn (52 bushels). I worked as hard  
as any of the rest & nearly as long,  
enjoying it hugely, but getting very tired.

Concord.

Ther

Tuesday, Oct. 22, 1918

Wea  
Fine

A crystal clear day, absolutely cloudless  
with warm sunshine & cool N.W. wind.  
One yellow Butterfly on wing.

Small birds rather scarce again.

4 Robins, a Song Sparrow & at least one  
Titlark - throat in our dooryard, all the  
Robins bathing at sunset. At Ritchie place  
7 Goldfinches, 2 Song Sparrows & a gray  
Purple Finch, eating sun flower seeds near  
George's corn. 3 Blue Jays stealing  
corn, a White-bellied Nuthatch in a  
big hickory, 80 migrating Crows (counted)  
streaming S.W. high in air & keeping  
perfect silence, at 2 P.M. A few local  
ones, noisy as usual, among them  
the bird that calls ca. ca.

Spent day at Ritchie place picking  
corn with Barbark, George & Zeph  
& Gilbert part of forenoon. We  
got 63 bushels. Gilbert went to  
Cambridge in P.M. Taking to C.  
2 pecks of strawberries & 2 of raspberries



Concord

Ther Wednesday, Oct. 23, 1918 Wea  
30°, 64° Corn harvesting finished. Perfect.

Indian summer day following a night so frosty that all our flowers were ruined or nearly so. The entire landscape white with hoarfrost at daybreak, but by 9 a.m. the sun shone warm & by noon Butterflies (yellow ones) were on wing. From sunrise to sunset there was scarcely a breath of wind to stir the crisp pellucid air. The sunset was one of perfect calm serenity & beauty.

Not many birds. In our dooryard at breakfast time were assembled half a dozen juncos accompanied by one Fox Sparrow & a Song Sparrow. Later I heard a Yellow Warbler & a Downy Thrush, 3 Goldfinches in the lawn, 3 Jays at Ritchie place, a few local Crows, a cock Pheasant calling at sunset, afar off.

Spent forenoon at Ritchie place picking corn with Burbank, George & Gilbert. George finished with it at 4 P.M. We got 33 bushels. Total crop 188 bushels. Spent afternoon separating off picking.

Concord

Ther Thursday, Oct. 24, 1918 Wea  
29°, 62° Perfect.

Essentially a duplicate of yesterday as regards weather conditions, albeit a trifle colder, one night & with a light, cool easterly breeze in afternoon. Everything white with hoarfrost & the surface of bare, loamy ground slightly frozen, at sunrise.

In or near our dooryard I saw about a dozen <sup>or 5 Robins</sup> juncos & heard a White Thr. Sparrow, a Downy, a Hairy Woodpecker & a White-bellied Nuthatch, 2 Titlarks & 2 Starlings flitted on wing at 8 a.m. Several Jays were looking for acorns in our large oaks & a few local Crows (including the one that says ca. car) were seen or heard from time to time.

Spent entire day out of doors but close about farm buildings where Brown & Henry were pruning orchard trees, Burbank & George boxing apples. Left working on a rack for lumber. To look after them all kept me very busy from 8 a.m. to 4.30 P.M.



Concord.

Ther Friday, Oct., 25, 1918 Wea  
Apple picking finished. Fair

Forenoon windless, at first densely foggy afterwards sunny. Clouds gathering & S. W. wind rising in P.M.

Comparatively few birds, 3 or 4 Robins, 10 or 12 Juncos, a Song Sparrow, a White-throat & a Downy visited the dooryard; 2 Herring Gulls & 2 or 3 Jays the oaks at rear of barn.

Shortly before noon a flock of at least 30. Horned Larks passed low over the house heading S. W. & uttering piping calls that drew my attention to their authors. They are accustomed to appear here very regularly at just about this date.

A tedious day spent clearing up rubbish in & about farm building with assistance of Teph & George. Burbank boxing apples.

The very last trees were pulled clean yesterday. The crop is of average size & quality. Some the market fruit sells for 75¢ or more per bushel.

Concord

Ther Saturday, Oct. 26, 1918 Wea  
68° max. Fair

Another calm, densely foggy morning succeeded by a partly cloudy but largely sunny day accompanied by a light southerly breeze and unseasonably high temperature, especially in late P.M.

Bird life at low ebb. 2 or 3 Robins, about a dozen Juncos & a flock of at least 15 Goldfinches (feeding on weed seeds near Bungalow), Bluebirds calling & Crows cawing afar off — these represented about all the birds that came under my notice during the day.

Although out of doors the whole time from sunrise to sunset (save during the noon hour) I did not once get far away from our farm buildings but worked mostly at clearing up things near them with George's help. Burbank boxed apples. Biggi & Teph brought 3 truck loads of fresh sawed lumber from Guss's (now Hoff's) mill & piled it loosely behind Bungalow.



Concord.

Ther 70° max Sunday, Oct. 27, 1918 Wea Fair.

Still another calm, foggy morning preceding a sunny almost windless and - for the season - exceptionally warm day. Last night, also, was unseasonably mild the therm. being about 60° at 10 a.m. Field Crickets & Tree Crickets then filled the still air with merry chirpings. Early this forenoon I heard a full & brief outburst of Hyla (pickeringii) voices (they were of spring, not autumnal, type) and later the rolling croaking of leopard frogs in the river marshes. Plenty of yellow Butterflies on wing at noon time.

Heavy flight of J. cor. all about 50 in our farm meadow patches & 30 or more scattered elsewhere. A White throat Singing & Song Sparrow calling, near house at daybreak. Young White-crowned Sparrows in leafless top of small tree & at home, calling wh. Checkers (3 flocks) & a few, (not many) on Ball's Hill. Started a Partridge in Bushes P., 2 in P. & 1 in P. To Ball's Hill via Prescott Pines & Davis H. 10.30 a.m. - 1.15 P.M. With letters after dinner until 4.30 & after that pruned grape vines.

Concord.

Ther 72° max Monday, Oct. 28, 1918 Wea Fair

Mostly cloudy & again densely foggy in early morn. Light southerly breeze in P.M. Warm & humid all day. Hylas calling.

Very few birds seen or heard. A dozen or more Juncos, several Goldfinches & a Downy wood pecker in or near the dooryard. At least 2 Jays flew over it and so did Horned Larks unseen but evidently passing low southward - if one might judge of this correctly by merely listening to their deep & light calls. as was the case with me. It happened twice - at 8 a.m. & 2 P.M. or thereabouts.

Spent entire day out of doors supervising & also participating in, farm work of various kinds. We hauled & burnt brush, boxed apples, etc. Biggi brought down the last (fourth) load of lumber from the mill. Toph says there are 10000 ft. of it. He & I "looked" & piled all the thin oak boards in P.M.



## Boncord

Ther 80° Tuesday, Oct. 29, 1918 Wea Fine

Clear with rather fresh S. W. wind  
agreatly tempering what seemed &  
indeed was oppressive heat for the  
temperature rose to 80° by 10 a. m.  
and remained thereabouts until late  
afternoon. Hylas calling freely. A few  
Butterflies on wing. Tree Crickets heard  
last night. Tiny Mosquitoes (apparently of the  
pitcher plant breed) very numerous & troublesome.  
Bird life settling on a late autumnal  
basis. Our dooryard birds represented  
to-day by a single Robin, a Downy,  
5 Goldfinches & about 15 juncos.  
Now & then a Jay flies over or Crows  
cawed in distant woodland. Once  
I heard Horned Larks piping  
somewhere in or above Lawrence's field.

To devote such a day as this to  
farm drudgery was irksome enough  
but it simply had to be done.  
Jeph & I piled lumber, Burbank &  
George hauled manure, Gilbert picked  
2 quarts of strawberries & a pint of raspberries.

## Boncord

Ther 76° (70° at 6.30 P.M.) Wednesday, Oct. 30, 1918 Wea Fair

Sun shining dimly through fleecy clouds.  
Light southerly wind. Summer-like  
temperature through entire day & both nights.  
Frogs jumping into pond front of house  
whenever I passed that way. All this  
in strange contrast to leafless trees & dry  
leaf strewn ground beneath them.

First Tree Sparrow, chirping faintly in  
Bury Pasture. Rosy red & Purple Finch &  
one in gray plumage, in fruit cedar grove  
behind Retch's place. Rather more  
than a dozen Juncos in millet patches.  
Solitary Robin in dooryard, another  
at Retch's place. One Jay; 10 local  
Crows. This comprises all the birds  
seen by me to-day. I heard the  
flight calls of a Tit lark & those of  
Horned Larks.

Spent day out of doors working with  
the men. Jeph finished picking lumber,  
Burbank & George hauled manure & boxed  
apple. Brown & his Henry pruned  
apple trees.



Concord.

Ther Thursday, Oct. 31, 1918 Wea  
Showery.

Mostly cloudy with high temperature and frequent light showers. Strong S.W. wind. Rarely beautiful sunset lasting at its best for half an hour or more.

Continued scarcity of birds, both small & large. One dooryard visited by a Robin & Song Sparrow (both of which sang a little) 7 Goldfinches, several Chickadees, about 15 Juncos, one Tree Sparrow.

Gilbert saw a Brown Marsh Hawk flying over field front of house.

One Jay & several Crows prowling about wooded borders of farm.

Spent forenoon in shed repairing things with Gilbert's help. Burbank also there at work on saps for keeping fruit, made from a discarded corn for plants constructed year ago by Forbush.

Picked up apples in P.M., both under our former trees & at Ritchie place where I had open view of glorious sunset

Concord

21 Ther Friday, Nov. 1, 1918 Wea  
Fine

Clear and rather cool with light westerly wind. One Butterfly and many bees about hawthorn (fall dandelion) blossoms at noon time & later.

Rather more birds again especially Juncos of which at least 20 were flitting about the mill in front of house at 7 a.m. They all flew to our big elm, joining there 6 Purple Finches 2 of which were red males. Several Chickadees, a Downy & 4 or 5 Jays also came close about the house & a Tree Sparrow visited the orchard. 12 Crows flying high S.W. & apparently on migration, passed at 8 a.m. A cock Pheasant was calling somewhere beyond the Berry Pasture at sunset.

Spent most of forenoon in wood shed, doing carpenter work all by myself. Did none of it there in afternoon when Gilbert had gone to Cambridge with apples & strawberries. Burbank boxing apples. Zeph hauled 2 canoe pit roofs to Ball's to put over lumber. George off again on a spree



Concord.

Ther 36°, 54° Saturday, Nov. 2, 1918 Wea Fine

Clear & cool with strong, chill N.W. wind. Sunshine warm in sheltered places but would suspect ones were not pleasing to linger in long.

25 Juncos, flitting hither & thither through dooryard & orchard, or chasing one another in sport through leafless tree tops, or rising in quick succession from beds of millet, were almost the only birds that attracted my notice about the farm. Indeed, the only others were a Downy and migrating flights of Robins & Crows. Of the former a flock of about 25 passed low over the orchard at 7 A.M., heading S.W. They were followed half an hour later by some 40 Crows.

I spent forenoon at Ball's Hill with Gilbert & Jeph removing some of the last things from dismantled cabins. No bird life whatever there. Rand & three other gunners passed in boats. They shot 2 Pheasants & 3 Black Ducks yesterday & flushed a Snipe this morning.

I worked out down near house all P.M.

Concord. Heavy flight of Juncos.

Ther 29°, 52° Sunday, Nov. 3, 1918 Wea Fine. Shrike attacks Sparrow.

Clear with strong, cold N.W. wind. Fields white with hoar frost at sunrise. One one-bearing Strawberry continues to ripen. St. Regis raspberries about gone. Most of the tomatoes served this noon.

Big flight of juncos. 100+ with 2 Fox S. in corn field at Ritchie pl. A Robin in orchard, 10 others in roadside field near Calish line. Downy in dooryard. reaper in red pine grove next Ritchie place.

Shortly before sunset I flushed a swarm of juncos from orchard millet patch. They scattered over eye stubble beyond. Then a young very brown Shrike pounced suddenly on one of them missing it narrowly. He then flew into an apple tree where, a moment later, a Fox Sparrow perched within a yard of him & eyed him without apparent fear. He dove at it, instantly threw thick branches & again missed his mark. After which I saw him no more.

Soon after breakfast Gilbert returned with a rabbit which I bought for 2.00/ea. I am already tired of some. Bartman & Co. said to have Threshers. I do not credit. My next called on him today. He & his wife very cordial, happy and pleasant. Back by 10.30. With letters & attached to the letter box in P.M.



Concord.

Ther 26°, 50° Monday, Nov. 4, 1918 Wea Dull.

Loosest night coldest one of autumn thus far. Heavy white frost at daybreak. After peeping out briefly then the sun became obscured by clouds & did not reappear while a little fine rain fell way now & then.

George Barber reports upwards of 1500 Cross Blackbirds in hedges ten tops near his shack & tin can field at Thetford place, 7 a. m. The only birds I noted were a dozen or more juncos, a Goldfinch, 2 or 3 Jays & as many crows.

Spent most of day in or near house supervising carpenter work etc. Jeph worked only in till. He has bought a large good looking horse (\$100) which I am to keep for him. This week only. It weighs 1500 lbs & makes our stable floor tremble.

Winthrop Scudder & a friend of his who is collecting fossils for a western college called in. Late P. M. I made them no promise of any definite help.

Concord. Last of the St. Regis raspberries. Full quart of strawberries picked. Tuesday, Nov. 5, 1918 Wea Stormy

For the most part a dreary day with chill air, densely cloudy sky and fine rain falling; but the sun came out by 3.30 and set in a perfectly cloudless sky suffused with tender golden light. There was then no wind stirring & scarce any earlier in the day.

A Downy, 4 Jays, 3 or 4 Crows & 8 or 10 juncos were the only birds seen or heard by me. Both Jays & Crows showed interest in a large patch of standing sweet corn stalks but the corn have been too carefully harvested to afford more than the most meagre gleanings for any bird or beast. I am feeding this corn (now ripened) to the hens who seem to relish it as well as any other grain.

Spent most of day in house rearranging things & doing a number of carpenter work. Gilbert picked a full quart of really handsome strawberries & took them & a few raspberries the very last, to C. in Cambridge.



Concord.

Ther 28°      Wednesday, Nov. 6, 1918      Wea Fine

Clear & frostily cold. with light  
northerly wind. Surface of ground  
seems white with hoar frost & also  
hard frozen, at sunrise.

At least 50 juncos in millet patch  
front of house whence they rose  
practically all together, in a dense cloud,  
as I was passing that way. Beside  
these I saw only a couple of Jays, a  
small flock of Goldfinches, a few scattered  
Crows & a Cock Pheasant rising on  
wing, with loud calling, to alight, after  
flying only a few rods over Horv's  
grass field.

Leola & I spent most of forenoon  
repairing & improving a lawn chicken coop.  
Brown came down to count apple  
trees but worked only half the day.

Burbank & George ploughed with  
Carson's gray horses at Ketchikan place  
& in field across road. Sept 2-2  
transferred water table fr. front of house to  
pound hole in Bear Pasture, in P. U.

Concord, End(?) of Great War proclaimed.

Ther 27° Thursday, Nov. 7, 1918 Wea Fine.  
Belated Hans. Wren  
Nine Partridges flushed.

Another brilliantly clear & sharply frosty morning followed, however, by a comparatively warm & almost windless day very beautiful & serene with all.

An unseen House Wren in Forey's thicket  
front of house, & 2 or 3, uttered its characteristic  
harsh, grating, scolding notes repeatedly, &  
then sang Sotto voce, several times, thereby  
fixing its identity beyond question although  
I did not once set eyes on it. 15 or 20  
Juncos, 3 or 4 Goldfinches & a Zen Sparrow  
were visited near door yard or orchard.  
A Robin & 2 Fox Sparrows in Green Field,  
5 or 6 scattered Jays, 9 Partridges flushed,  
3 in Birch Field, 2 in Run, 4 in  
Berry Pasture. Cock Pheasant calling at us.

Spent most of forenoon in the woods  
looking for wintergreens, ferns etc. to take to  
Cambridge. Out with 20 g. gun in mid P.M.  
to try for a shot at a Pheasant. but flushed  
only Partridges & did not care to shoot them.  
About 2 P.M. is a tremendous din of disband  
bells, fire alarm & other. which the boys of Larch  
for half an hour or more, fire away and  
of Great War, his said.



Concord.

Ther

Friday, Nov. 8, 1918.

Wea  
Fine

Early morn calm and cloudless with keen, but not frosty, air. Forenoon sunny & rather warm despite some northerly winds. Chill N.E. wind & gathering clouds by 3 P.M. & later.

Renewed death of bird life. 10 or 12 Juncos & a few Sparrows, 3 Goldfinches & a Pine Siskin, 2 or 3 Jays & many Crows & a Downy Woodpecker comprise a full list of birds seen or heard about our house & orchard.

At Concord I saw a single Tit Lark flying low over Peterson's field & heard a Hairy Woodpecker calling in Sewall's oak grove.

Shortly after breakfast Gilbert & I motored to Concord to look at a tip cart belonging to Dr. Cherry which Brown Thinks can be bought for \$50. It is smaller & lighter than mine.

Spent remainder of day about our farm boxing apples etc with Burbank & Iph. Henry harrowed field near road

Concord

Ther

Saturday, Nov. 9, 1918

Wea  
Dull.

The sun rose clear but soon entered clouds from which it did not afterwards emerge to temper the chill foreboding of a typical late November day. A little fine rain fell towards evening. Very little wind & that southerly yet chill.

A Northern Shrike, 10 or 12 Juncos, 3 or 4 Jays & a few Crows were all the birds seen or heard about the farm to-day. The Shrike appeared in the big dooryard elm just as we finished breakfast & evidently intent on securing his own. He crouched on a high branch for half a minute watching some Juncos flitting about the miller over the wall. Finally he swooped at them with arrowy swiftness scattering the little folk in wild panic but more than this I failed to do.

Spent earlier day out of doors working with the three men. We dug potatoes & dahlia bulbs, took down some chicken yard fowls & did various other more or less useful & necessary things.

Bell ringing & whistle blowing & yesterday picnic. Great war still going on in France & Belgium.



Concord - Cambridge

Ther

Sunday, Nov. 10, 1918

Wea  
Fair

Morning cloudy & warm with light S. W. breeze. Afternoon sunny with fresher & cooler west wind.

Birds at October Farm (8-9 A.M.) 3 Robins on wing, 15 + Juncos in mill, several Chickadees & 2 Brown Creepers in Tree, 3 or 4 Jays in orchard, a Crow in corn field, flight call (three-whistle one) of Pine Grosbeak heard near house.

Birds in Cambridge Garden (11 A.M. & P.M.) 4 Robins eating hawthorn berries, a Brown Creeper & 4 Chickadees in lilacs, Goldfinch & Junco heard. Peabody Bird & Flicker seen.

Before leaving Farm this morning I went into woods near Tulpin Rock to get rock ferns for Barry & Jimmy's graves. Gilbert & I started for Cambridge at 9.30. Reached there about 11. Planted ferns with Tukey's help. Then saw Barry, Miss Abby & Miss Hoppa dined with us at 1.30.

Cambridge - Boston - Concord

Great War really ended to-day.

Ther

Monday, Nov. 11, 1918

Wea  
Fine

Brilliantly clear & frostily cold with fresh northerly wind. Last night coldest of season at Concord. Ground there hard-frozen this morning. In Cambridge Garden by Museum Solvias & L. asturinus continue in unmarred bloom. Birds in Cambridge Garden. Only some Chickadees & a Downy both nearly heard.

Awakening at daybreak I heard whistles blowing & horns tooting far & near proclaiming news reaching this country an hour or two earlier that an armistice with Germany had been signed & the Great War thereby finally ended. All day long the din continued with varying intensity, no doubt throughout our whole country. In Boston it was fairly deafening when I reached our office at 10.30 A.M. All streets in that neighborhood were then awash deep in torn-up papers & confetti & densely crowded with motes of every description crammed with young men, girls & children, waving flags, cheering, singing, blowing horns, beating on tin pans & otherwise making all the noise they could. The shops were practically all deserted & closed their employees having deserted in a body to enjoy a holiday & celebration of their own patriotism. Our office however, was open as usual & all the English people at their desks. I saw Arthur & the rest. Miss Waller - Mrs. Watson since Oct. 10 - has been employed by a very young girl stenographer said to be efficient. I lunched at Thompson's & took 2.30 train to Concord where Gilbert met & escorted me to Farm to spend another week.



Concord

Ther 2° 42° Tuesday, Nov. 12, 1918 Wea Fine

Clear & cold but almost windless. White frost at sunrise & surfaces of ground heard frozen, remaining so in shaded places all day. Decidedly coldest weather thus far this autumn.

The present cold wave seems to have banished most of our few remaining migratory birds without bringing any others from further north. 2 Goldfinches, 5 or 6 Juncos, a Tree Sparrow & 2 or 3 Crows make up the full list of everything seen or heard to-day. Apparently the late autumnal flights are over or nearly so.

Spent most of day working with Burbank & George about the Farm. Jeph away yesterday & to-day. Smith Dexter came down to dinner with me. We had a long talk & a short out-g. down ramble.

Gardner Lawrence called this eve to Robert's. for United States Bank Case He got 25.

Concord. Deer at the Farm & Carlisle.

Ther 30° Wednesday, Nov. 13, 1918 Wea Fair

Partly sunny, mostly cloudy. Very chilly with light easterly wind. Everything white with hoar frost at day break.

Hardly any birds. 2 Chickadees in the big elm, 5 Tree Sparrows in field front of house, a Jay flying over it, one or two Crows on wing - that were literally all I saw or heard.

Jeph saw 4 Deer together in a field in Carlisle, yesterday. This afternoon I found perfectly fresh tracks of at least two large ones, in our orchard where they had crossed a piece of recently plowed ground, on the run.

Several Gray Squirrels haunting the Farm & one big one our dooryard. I have not molested them this autumn. They are now greatly outnumbered by Red Squirrels. These come close about house. Four living in wood pile, one in barn.

Spent entire day working with all three men about the Farm. We chanced up a lot of rubbish, hauled in wood, & did a little ploughing.



Concord

Ther Thursday, Nov. 14, 1918 Wea  
Fine.

Heavy rainfall thro. most of last night  
Early morning cloudy. Remainder of  
day brilliantly clear with fresh  
westerly wind. Sunset calm & serene  
with frosty-feeling air.

As I was standing near our barn at 10  
a.m. an adult ♂ Pine Grosbeak came  
flying low westward over me, uttering  
his three-syllabled whistle all way  
few seconds, and showing bright rosy red  
all over in the clear sunlight.

Besides this beautiful bird I saw  
a single Jay & 2 Goldfinches eating  
sunflower seeds at Retchin place  
where a Tree Sparrow was heard  
chirping. Thus the bird-life hereabouts  
would seem to be almost non-existent  
now.

Working all day with the men,  
clearing up rubbish, cutting brush etc.  
Gilbert returned to Cambridge to  
take C. into Boston. So I drove  
alone.

Concord

Ther Friday, Nov. 15, 1918 Wea  
32°, 60° Fine

A bright sunny day throughout and  
comparatively warm, with light S.W. wind.  
The ground was white with hoarfrost &  
rice slightly frozen, at day break.

Juncos here again in moderate numbers  
at least a dozen of them chasing one  
another through the orchard with happy  
twittering & much flashing of white outer  
tail feathers. A Tree Sparrow among them.  
Besides these I saw 2 Goldfinches & heard  
a Pine Grosbeak & two or three Crows.

The customary out-door farm work  
kept us all very busy through the entire  
day. We ploughed several small  
plots of cultivated land, hauled some  
manure from the barn cellar & manure  
from meadow at foot of orchard slope,  
cut down a few pines near Bangs place  
for covering Strawberry beds etc. etc.  
Gilbert went twice to village to take  
E. K. S. & Miss Balch to & from  
the Emersons & railroad station.



Concord.

Ther

Saturday, Nov. 16, 1918

Wea  
Fair

Partly sunny but mostly thin cloudy.  
Very mild with little or no wind.

Near house 12+ Juncos & a single  
Pine Grosbeak the latter perched on  
topmost twig of elm, whistling loudly,  
but showing no color against a white  
clouded sky. A single Jay & several  
Crows. At 11 A.M. the distant  
huddling of Geese came to my ears as  
I was at work in our shed. Running  
out I soon saw the birds & counted  
24. They were strung out in single file  
& flying S. W. at a height so great  
that they looked no bigger than Pigeons,  
& so very swiftly that they passed out  
of sight in a minute or two.

In Birch Field I heard 2 Jays &  
saw a Hermit Thrush among young pines.

This, my last day at Farm, was  
a very busy one. Spent forenoon in &  
near house putting things away for the  
winter. Tipler & I went to Birch Field  
& Prescott pines in late P.M., planning  
for cutting wood etc.

Concord - Cambridge.

92

Ther

Sunday, Nov. 17, 1918

Wea  
Stormy

Dark cloudy, foggy, calm & mild. Light rain  
all the forenoon, heavy & continuous downpour  
in afternoon & evening.

October Farm, 7-9 A.M. Several Juncos in dooryard,  
cock Pheasant in field front of house, 2 or 3  
Crows cawing in distance  
Near Carlisle Bridge, 3 Fox Sparrows.

Cambridge Garden (11 A.M.) 2 Chickadees by  
Museum gate, Porcupine Creeper in lilacs, in.  
White-throated Sparrows, 33 (counted) Pine  
Loonnets clustering thickly in top of fruiting  
Paper Birch, eating its seeds in silence.

At 9.45 A.M. Gilbert & I closed the old  
farm house for the winter & started for  
Cambridge by Bedford, Sharokun Valley &  
Arlington route. Reached home about 11.  
Miss Allyn at dinner. Hate letters  
after it. John Reed's son called at  
4 P.M. to submit bill, for work that  
I had done. Gave him check for \$50.  
E. H. S. read David Copperfield after supper



Cambridge - Boston

Ther

Monday, Nov. 18, 1918

Wea  
Dull.

Forenoon dark cloudy, warm & humid with light rain falling. Clouds less dense & air somewhat cooler in afternoon.

Garden birds. Hairy Woodpecker heard calling. Crow flying low & 2 Gulls high in air, over the house.

To Boston at 10.30. Shortly after reaching there went with Galloupe to Safety Vault to cut off a lot of coupons from Trust estate bonds, including Safety Trust Hotel, Town of Quincy & Fifth Wharf. Lunched at Thompson's Spa. Spent about 3 hours in office. Arthur getting ready to start for Paris next week. Visited my personal Safety Vault box & cut coupons from U. S. Bonds. Out to Harvard Square by 4 P.M. Walked thence to Ware Hall & spent an hour with C. Millard Chat meeting this eve. Scholarly paper of much interest by Judge Jerny on a little known Portraits of Audubon.

Cambridge.

Ther

Tuesday, Nov. 19, 1918

Wea  
Fine

Sunny, calm & mild.

Garden birds. 2 Chickadees in lilacs; Jay in lindens; Flicker & Peabody bird heard calling; flight calls of Pine Siskinets heard.

Forenoon spent in Museum writing letters & arranging various things. To Mus. Comp. Zool. in P.M., motoring down at 3.30, walking back after the early Nov. twilight had almost yielded to dark night. At Museum saw Sam Henshaw, Robert Jackson, Dr. Fairbrother and G. M. Allen. Bangs away. Tazewell said to come but seldom. He is in poor health & home.

Spent evening in great hall with E. R. S. who read to me from "David Coffey"



## Cambridge.

Ther

Wednesday, Nov. 20, 1918

Wea  
Dull.

Dark cloudy, calm, mild but chilly,  
with a little fine, mist-like rain.

In garden 2 Chickadees, 2 Jays,  
a Downy Woodpecker (heard), Crow (heard)  
15 Gulls flying over high towards  
Fresh Pond.

... in Museum, hoping to  
... out constantly interrupted.  
First came Percy, brought by Gilbert,  
after absence of ... because of  
rather nervous ... by stepping  
into the museum ... was soon  
followed by John Lawrence with a  
truck load of ... and  
... from the ...  
Then came John Sheehan & another to  
unload all his produce. Dr. Stevens  
collected ... concerning a  
rhumatic trouble. Buchanan came in  
P.M. & paid me 30. for 7 1/2 lbs. Warblers.

At "We Dine" at Walter Dean's 7-11 P.M.  
Everyone there saw ...  
Gordale laid up ... between  
Don Harry brought Austrian ... to show

## Cambridge

Ther

Thursday, Nov. 21, 1918

Wea  
Dull.

Dark cloudy and very chilly, but not  
frothy, with a little finer rain.

In Crows in the lindens at breakfast  
time were the only birds I noticed  
... day.

The ... of several letters &  
... Cheques for bills kept me  
... in the Museum from 7 A.M.  
to 6 P.M. save for the noon hour  
at luncheon etc. The evening was  
passed in the hall with E. R. V.  
who read to me from David Copperfield  
the entertaining chapter wherein  
he is rescued from the Murdstone  
by Betty Trullbrook & ...  
the latter. Strange to say? ...  
now for the first time introduced to  
This Admireable Story how it could  
... other ... in long ...  
years when I read & ...  
... that Dickens ...  
... is ...



Cambridge

Ther

Friday, Nov. 22, 1918

Wea

Fair

Fornoon sunny with crisp, dry air and little or no wind. Afternoon mostly cloudy & very chilly. No frost sensation since Friday eve.

Garden birds. only Chickadees & Crows both heard.

Spent entire day in museum writing letters, cleaning up house. From morning brought load of birch wood - some burned, but not moved there this morning to make small fireplace, get aquarium supplies in Dewdney's food etc. E. R. S. gave to the Bee this evening and have rapped alone & am now settling down to read a few articles in the Liberator for an hour or two.

Cambridge

Ther

Saturday, Nov. 23, 1918

Wea

Fine

Brilliantly clear with strong, cold northerly wind.

Garden birds A Chickadee & Blue Jay in Thicket close beside my study window, a Hairy Woodpecker (♂) in the Birch Grove. The Thicket is less attractive to birds than formerly for all but one of its component rhododendrons have died and the heavy night shade vines that overran it so profusely bear no fruit this year. Hence it affords neither the shelter nor food that it once did.

Spent day in Museum writing a few letters despite rather serious eye strain increasingly troublesome & etc. It forced me to quit both writing & reading in the afternoon when I had rearranged my desk and then went to call on Walter Deane who showed me an oil painting of himself just finished by some young artist. It is an excellent piece of work as regards technique but not a very good likeness.



Cambridge

Ther

Sunday, Nov. 24, 1918

Wea

Time

Aeroplanes over Cambridge.

Clear and cool with moderate  
westerly wind. Hard frost last night.

Then the birds. A few were on  
Chickadee.

Better working in Museum  
occupied. Not of my highest  
quarto at 1000. we had a  
few more. The first 1000. 1000.  
then 1000. 1000. 1000. 1000.

[illegible]

Cambridge.

Ther

Monday, Nov. 25, 1918

Wea

7. 6. 1900

As regards weather conditions today, - was a close duplicate of yesterday with similarly cloudless sky, bright sunshine and light, cool, westerly breeze.

Grassie birds. Only an Indian Thrasher  
calling his name emphatically somewhere  
just outside my study window.

Increasing trouble with a very long  
and persistent cold decided me not to  
go into Boston as had been contemplated  
so I spent the day at my desk in  
Museum looking over & destroying a  
great number of letters, circulars &c.  
that have accumulated during the  
past six months, writing answers  
to a few of them, mailing out  
cheques for subscriptions to Harbinger  
& other charities, &c. &c.

J. K. S. went on a round of calling  
in S. H. John Road. to see from  
"The old Coffersfield" after supper. With  
"Danny" with us in hall all evening  
& with me in Museum this forenoon.



First Touch of Winter. Cambridge.

Ther Tuesday, Nov. 26, 1918 Wea  
18° Cambs (10° at Concord) Fine

Brilliantly clear with fresh northerly wind.  
Coldest day of season thus far. Surfaces of  
exposed ground hard frozen.

Winter birds. The usual noise calling  
many times at 4 a.m. I observed  
Tringlet and a Flicker heard later; also  
a Chickadee. 2 Jays flying through  
Jungle. House Sparrows altogether absent.  
Have not seen or heard one about the  
place this month. What can have  
become of them. Several Robins &  
Scrub. of Tringlet birds. A Goldfinch  
& a Junco noted once; a White-throat  
three; Pine Squirrels three (one a flock of 33)  
make up the full list of such birds  
observed in the garden. As I returned to it

Rejuvenation & sometimes answering of  
neglected correspondences. conditions  
occupy much of my mind. In the air  
large numbers of letters, in cases, my birds  
etc. communicating. Amongst the winter birds  
the death of one of the other birds  
can be resumed. Usual evening heard  
by E. T. S. C. Talbot and Charles L. ...

Cambridge.

Ther Wednesday, Nov. 27, 1918 Wea  
26° min. Fine

Cloudless, almost windless, cool but  
without bitter chill; altogether as not  
unattractive late autumn or early winter  
day, much to be preferred to yesterday for  
out-of-door employment of whatever kind.

Garden birds. A silent Jay peering it at  
Museum. A fly window from angle of  
nightshade vines just outside, to outrageously  
noisy Crows perched in tree tops in jungle  
apparently vituperating something or other  
there. What I found it was, a pair of  
starlings & 7 quacking ducks, answering high  
in air. Humming birds in flower garden.

The task of sorting, answering, & filing  
answering, accumulated letters continued.  
Through a day of increasing weariness.  
I left it at 3 P.M. to finish up tomorrow.  
In Elmwood, through Ball's View Ave, & back  
through Highland St. Saw a few House Sparrows  
My boy friends Thompson & Hilborn came at  
5:15 saying that in honor. They report a  
Marching bird at Fresh Pond (Hemlock Point)  
on Nov. 17. Almost no Ducks in any of the  
ponds, they say. E. T. S. had to see after



Cambridge.

Ther Thursday, Nov. 28, 1918 Wea  
Fair

A calm, sunny, frosty morning; clouds gathering & east wind rising, by noon. Afternoon dark cloudy & chilly but not cold.

Garden birds. Entering the jungle at 9 a.m. I found assembled there hopping about on ground, or flitting from twig to twig within a yard of it, 2. Hermit Thrush, 4 Chickadees, 2 Tree Sparrows & a ♀ Junco. All these kept on together ahead of me into Birch Grove & Grape Ulm, Tree Sparrows very tame & confiding. Hermit & Junco birds.

There were also within our grounds then or a little later a House Sparrow, a Jay, 2 crows & a Downy Woodpecker. I have not seen so many birds here before for a week or more.

Wrote a few letters after breakfast & then called on the Spahnians finding most of them in back yards engaged in newly acquired hens. which showed some concern when a big Sea Plane Sopred Hawk-like, with loud thrumming engines, high overhead. Living & I had as dinner guests Miss Ireland, Mrs. Cobb, Mrs. Mansfield, Miss Balch & Miss Katherine Tren Kolme from Montreal, they all departed at 4 after which I wrote some letters. C. dined on her room at Ware Hall with Miss Swamy. E. L. J. back to me as usual after supper.

Cambridge.

Ther Friday, Nov. 29, 1918 Wea  
Fair

Clear, calm, comparatively mild. Light rain last night. City lawns everywhere as green as in early autumn.

Garden birds. Handsome adult ♂ White-throated Sparrows in lilacs, afterwards singing a little faintly in vine within a yard of my Mrs. Windy window; White-bellied Nuthatch, ♂, first in Seattle pear tree, later in willow by Mrs. gate; one House Sparrow, a Downy Woodpecker, in lilacs; a Flicker.

Working on the letters all day. Several required answering at some length. Hence my progress with them was not great.

F. H. Allen called at 12.30 to look over my series of Helminthophila juvies more especially to see if any have yellow wing bars, as several have. One so marked was seen by him, Townsend & others on W. highway last May & June. He conversed with us & departed soon afterwards. Dr. Stevens came at 6 P.M. to strap up my left side with plaster. It has been very painful to day. Heard some reading



Cambridge.

Ther

Saturday, Nov. 30, 1918

Wea  
Fair

Mostly sunny but partly cloudy.  
Just seasonably cool; almost wholly windless.

Garden birds. A Chickadee in willow by  
Museum gate; 4 vociferous Crows in Jungh.

Leaving the house about noon I  
walked up Brattle Street to Mount Auburn  
and in the big greenhouse opposite the  
entrance gate of the Cemetery spent half an  
hour or so looking for flowering plants of  
which they seemed to have comparatively  
few & thus high priced. After purchasing  
a small Begonia & a so-called Bird's Nest  
Fern (of recent appearance in flower shows  
but now apparently very popular there)  
I returned in time (or rather a little late)  
for luncheon with E. A. S. After it she  
went to Ware Hall to read to E. & I  
into Museum to write letters. Dick Dana  
came there as twilight was gathering & we  
had half an hour or more of friendly chat.  
He seems quite well now & in excellent spirits  
but is "troubled" about his radical son Harry.  
Who delivered an intemperate Socialistic address  
in Faneuil Hall last Tuesday evening.

Cambridge.

Ther

Sunday, Dec. 1, 1918

Wea  
Fair

Clear & cold with strong, E. wind.

Garden birds. None seen but Crows,  
House Sparrows & at least one Chickadee,  
heard.

Letter writing in Museum occupied  
most of the day. Miss Allyn dined  
with us as usual. In late P.M.

I called at the Almys where I met  
Mary received me most cordially.  
We talked for upwards of an hour &  
then I came home without having  
seen Charles Almy who was away  
on Exception Board duties.

Brattle Street is now thronged on  
Sunday afternoon with sightseeing  
motor cars and at all hours during  
most week days with their & heavy  
motor trucks, some of which for  
moments perceptible.



Cambridge

Boston

Ther  
16°, 26°

Monday, Dec. 2, 1918

Wea  
Fair

Mostly sunny but partly cloudy;  
fair & frostily cold.

Ware Street birds. Crows & Jays reported  
in C. as appearing close about War Hall  
of late. I saw a Downy Woodpecker there today.

To Boston at 10.30. Spent upwards  
of 3 hours in our office. Howard K.  
Bronson met me there by appointment.  
To get my signature to a release of a  
\$5000 mortgage belonging to Geo. B. Trull  
Estate. A Savings Bank has taken it &  
paid for it in full. Mr. B. advised  
investing the money in U.S. short-term  
notes, to which I agreed. He says  
about \$500. Excise fee will have to be  
paid Leverett Estate from Trull Est.  
He thinks Mr. Leverett would not have  
accepted it but his executor cannot decline  
it. I told him I should not take my  
fee - amounting to about \$250.  
Lunched at Thompsons. Came out to Harvard  
Square by 3.15 & called on C. at War Hall  
4-5 P.M. Walked home from there  
after dark.  
Annual Election of Officers at Nuttall Club  
meeting. All of past year's members. Large  
attendance. I presided.

Cambridge

First snow-fall.

23

Ther

42° max.

Tuesday, Dec. 3, 1918

Wea  
Fair

Mild & windless with alternating clouds  
& sunshine. Under these conditions snow  
an inch in depth, that had fallen over night to  
whiten the entire landscape this morning  
was mostly gone by noon & quite so before  
sunrise.

Gold-crust.

Garden birds. An unusual Chickadee, Downy  
& several Crows heard, 10 House Sparrows  
busily engaged with a pile of freshly dropped  
horse manure in Sparrow Street.

At Nuttall Club meeting last night  
Walter Deane reported seeing, I think  
yesterday, no less than four different  
Hairy Woodpeckers scattered singly among  
trees in the Cambridge Botanic Gardens.

Pine Grosbeaks reported from various  
localities including Arlington & Belmont.  
An unusually large percentage of those seen  
have been adult males.

Spent most of day in Museum meeting  
Lethers. Voted in City Election at 10 a.m.  
& took E.R.S. in Ford car to do so at 3 P.M.  
She read to me, as usual this eve.



Cambridge

Ther Wednesday, Dec. 4, 1918 Wea  
Dull.

Dark cloudy with drizzling rain overnight & early morning & a heavy downpour at evening.

Garden birds. Chickadees, House Sparrows & Crows, several of each, all near together in jungle at 9 a.m. There were, I thought, at least five Chickadees, keeping bugle in the trees. Yesterday I found feathered remains of one, including a portion of a wing with secondaries still attached, scattered along the flagging walk between our house & Brattle Street. These fragments suggested Shrike work but it may have been done by Blackwell's black cat.

Spent day in Museum writing letters. For first time since Sept. 5 C. paid a visit to the house this afternoon (2.15-4.5). She took Danny back to Ware Hall & I motored down with them. Walking home after dark in pouring rain. Now E. R. S. has just finished the usual evening reading (David Coffinfield still).

Cambridge

Ther Thursday, Dec. 5, 1918 Wea  
30° max. Fair

Mostly sunny with chill air but not much wind. Ground once more quite free from frost save on the surface which stiffened over night to thaw under the sun's rays at noon. Grass still very green.

Garden birds. Only a Chickadee pecking at last year's sweet be ground beneath my study window.

Entire day spent in Museum. Kennard with me most of forenoon looking at eggs, egg boxes etc. He is troubled over a fungoid disfigurement of the valuable collection of eggs which he & Bent bought of the Estate of Fred Spaulding of Lancaster N.H. It has attacked very many specimens & ruined some of the choicest sets.

John Nichols talked with me by telephone in P.M. from somewhere in Boston. Lawrence brought box of bird eggs. Carvers. Usual evening reading by E. in hall. Telephone talk with C. at 4.30 P.M.



First heavy snowfall. Cambridge

Ther

Friday, Dec. 6, 1918

Wea  
Stormy

Snow falling thick & fast all day long.  
It then covered the ground to the depth  
of 5 inches and by noon - when it  
ceased coming - to upwards of 10 inches.

Clouds parted & sun shone out on a  
wintry landscape, in late P.M.

Rather many horse-drawn sleighs &  
other sleds to be seen passing our house  
recalling older times

Garden birds. None whatever noticed.

A throat cold somewhat troublesome  
yesterday became overpoweringly so  
to-day confining me to the house  
where I sat by an open wood fire  
in the den reading a little but  
unable to do anything else.

Being my companion at meals  
& by the hall fire after supper when  
we enjoyed a good chapter of David  
Copperfield & a short call from  
Harry Fuller. Little "Danny" also  
with very affectionate & winning as  
he ever is on such occasions

Cambridge. Mid-winter conditions

Ther  
10°

Saturday, Dec. 7, 1918

Wea  
Fair

Two sunbeams shining freely & brightly  
through a thin veil of clouds. Coldest  
day of season thus far.

Garden birds. Only a Crow, coming  
in the linden.

A second day of semi-citrus passed  
for the most part in solitude but by a  
bright wood fire in the den when I  
read as much as aching & weepy eyes  
could permit. On this morning, however, a  
cold in the head which is responsible  
for this inconvenience is by no means  
exceptionally bad one & seems  
indeed to have already passed its worst  
stage. I have come to dread it  
this morning. The very presence of  
very present in Cambridge now -  
and the Spanish gripe which has  
been & is still out in that region.  
I am anxious.

Spent evening in reading with a  
view to making the manuscript  
of David Copperfield







Cambridge.

Ther Tuesday, Dec. 10, 1918 Wea  
Time

Warm & cool with fresh wistfully  
snow thawing out with  
wheels still bordered by it but  
some portions bare or strewn  
with fragments of dirty ice.

No birds seen or heard. But that  
affords slight evidence of their  
being absent. For my opportunities  
of noting them were limited to their  
occasional glances from  
the window within which I  
spent most of my accomplishing  
my own some desultory reading.  
H. D. S. has now developed a third  
cold similar to mine. Dr. Stevens  
called to see us, took a cheque  
sent out some cheques to Sigis &  
Cathie for me in mail & perhaps  
also sundries. So the day passed,  
somewhat wearily as idle days must.  
I too began to read about this time  
I played the Victrola to  
her & read a delightful letter that  
came from Herbert & Arden this morning.

Cambridge.

Ther Wednesday, Dec. 11, 1918 Wea  
20° Dull.

Dark cloudy & cold with light snowfall  
towards evening.

For me a lonely and depressing day  
of continued imprisonment in the Den  
for my cold is still troublesome &  
indeed more discomforting in certain ways  
than during its earlier stages. It now  
especially affects my eyes making any  
long continued reading quite impossible  
and I did manage to write several  
short letters & one fairly long one.

The only bird noted during the day  
was a Crow, heard cawing after 5 P.M.  
Gilbert & Percy motored to Concord in  
P.M. bringing back some 14 small  
white quines cut by Viper a month  
ago. I had arranged with him to cut  
a lot of others about this time but, as I  
learned last Friday, he has removed to  
Carlisle & is cutting cord wood for  
consumption there; This will deprive us of  
much congenial mail we had planned to  
give Miss Thompson & Mr. John Church  
but they will have come. "Trust  
I shall be reading by the R.S."



## Cambridge

Ther Thursday, Dec. 12, 1918 Wea  
Dull.

Cloudy with some shower of rain,  
rain, which obliterated all  
the light snow that fell  
yesterday evening and filled the streets  
with mud.

Although feeling somewhat better  
I kept indoors through another  
weary day doing nothing useful  
save by writing a few letters.

Dr. Stevens says I must not think  
of going out, even to the Museum,  
at present. He called at 4 P.M.

Spent upwards of half an hour  
with me. His impression seems to  
be that the Spanish influenza is  
now as prevalent as ever in  
about Cambridge, Porto Rico, according  
to his son just back from there, has  
upwards of 10,000 cases. 30% of the  
people in Camaguey Island have recently  
died of this same dread disease.  
A young physician dropped in after  
supper for a friendly chat.

## Cambridge

Ther Friday, Dec. 13, 1918 Wea  
Dull.

Cloudy with fine rain falling  
intermittently, keeping streets & sidewalks  
slipping wet. A thick blanket of  
melted, soggy snow still covers most  
ground surfaces. For three days past  
all landscape to be seen from our  
windows has worn a depressingly  
dreary aspect.

Still another day of solitary  
confinement to the room where I read  
& smoked a little, slept a good  
deal and wrote letters when eyes &  
head did not ache too much.

C gave us a delightful surprise by  
appearing suddenly in the hall about 5 P.M.  
She was with E. R. S. perhaps half an  
hour, with me 15 or 20 minutes.

Her mother came with her. They took  
a long walk with them.

Prof. J. R. S. called at 5 P.M.  
saying half an hour. He will go South  
early in January. E. R. S. sent only  
a note in Transcript this eve.



Cambridge.

Ther Saturday, Dec. 14, 1918 Wea Dull.

Low-hanging clouds, slow-rising mists and incessant if light rainfall have combined to make this short December day seem endlessly long and unutterably dreary - at least to me confined as before to the house with nothing more profitable to do than working a few cables.

Dr. Stevens came to see me at 10.15 and I had a short talk with him. He is a very nice man and I am sure he will be a great help in the future.

The snow has melted fast and the grass is appearing here & there on our front lawn.

Holman sent up a dozen enlargements of Mrs. Farley's youthful tin-type this morning. Keeping two copies for myself I have wanted eight to Mrs. F., one to Henry Henshaw & one to Ruthven Deane. The pictures seem an excellent reproduction of the tiny originals.

Cambridge.

Ther Sunday, Dec. 15, 1918 Wea Dull

Cloudy but less darkly so than during past few days. Heavy, warm rain last night had removed almost every vestige of snow by day break this morning. Our lawn thereby fully reexposed to sun appears scarce less vivid green than it did a month or more ago. The snow blanket has no doubt shattered in from recent better cold.

Garden birds. A Chickadee & a Hairy Woodpecker both heard calling, apparently in the lindens, whenever their voices reached my ear through a partly open window.

Still another day passed wholly within doors & mostly in the Den. Work letters in forenoon. Mrs. Stone & Miss Ellyn with us at dinner. Before they had gone Charlie Bond appeared to be followed by Dick Dana & he by Harry Bartlett. So the afternoon sped most pleasantly with much friendly chat. Usual evening reading by E. R. S.



Cambridge

Ther Monday, Dec. 16, 1918 Wea  
Dull.

For six consecutive days including this there has been no ray of sunlight, however dim & faint. But even beneath such ever-lowering skies it is good to see green grass again, and to feel no piercing cold.

Garden birds: Crows cawing not far off, in flocks that looked like Tree Sparrows, but could not certainly be identified as such because I had no glass at hand, was sitting and listening out in the kitchen yard.

The day has now passed like all the rest of late. I am reading, writing letters & wrapping for an open fire in the fire. I have received a record, bringing back 4 Sparrows from our front hall & the Cobb-Turkey & 5 fresh-laid hen eggs - our first; also bags of rice, cracked corn & corn meal. Miss Walsh shared with us. I have read a note from Frances & her mother & a letter from Miss South & her mother.

Cambridge

Ther Tuesday, Dec. 17, 1918 Wea  
36° May. Misted

After continuing obscured by heavy clouds all the forenoon the sun reappeared, for the first time in upwards of six days, and shone brightly through most of the afternoon. A light, cool northerly wind.

Garden birds. 3 Crows perched in Hubbard Park, 3 Chickadees flitting together through our old lilacs just before sunset.

This day I spent by me with a many of those preceding it, in the room I am, working with, reading the newspapers etc. More than this could not well be accomplished for the cold still tingles distressingly & my eyes are so troublesome that they will not serve me continuously for more than an hour or two at any one time.

E. K. is busy getting up their new things. She read a number of them. This evening I offered a room with this made in George. To Mrs. Weston for St. John & her to be made. This is the first time.



Cambridge

Ther Wednesday, Dec. 18, 1918 Wea  
Fine

Cloudless, almost windless, scarce  
seasonably cool. Altogether a very  
pleasing day for this time of year.

Garden birds. At least 3-4 I thought  
6, Chickadees near together in trees &  
surrender between clothes yard &  
Museum gate. Gilbert reports them  
eating sweet, also. Several Crows  
cawing vociferously in or near the  
windows.

Despite the fine weather I did not  
feel justified in disregarding Dr. Stevens  
urgent advice to remain within doors  
until my physical condition has  
further improved. When he came  
to see me this afternoon I expressed  
a strong wish to be at Roland Thayer's  
Wedding this evening but he would  
not hear to it. Perhaps he is right  
for throat & head discomfort is still  
much in evidence. My day was

spent in the reading of letters & chapters  
Received legacy of \$100.00 from  
Mrs. J. H. Thayer

Cambridge.

24 Ther Thursday, Dec. 19, 1918 Wea  
Fine

Weather very like that of yesterday  
... much colder, the ground frozen  
... again. but grass still green.

Garden birds. Two crows in  
... were the only birds I  
... saw a single ...  
... clothes yard.

Another day spent indoors  
chiefly at the "Desk". I have hoped to  
do something useful & strenuous  
hard enough to do so but was  
overcome by drowsiness to such  
a degree that it was impossible  
to keep long awake. These mortifying  
conditions must be due to some  
physical disturbance resulting from  
my cold.

Mrs. George Simmons & her unmarried  
sister called on me this evening  
... about ...



Cambridge.

Cambridge.

Ther Friday, Dec. 20, 1918 Wea  
Christmas carols by Miss J's children.

Ther Saturday, Dec. 21, 1918 Wea  
Fine

yet mild-seeming  
and even the air above the ground  
is warm. Several chickadees,  
a downy & two or three others, all of  
which, only.

To day has been very like yesterday  
but even warmer & more suggestion  
of Indian summer. These conditions  
make life out of doors very pleasant  
but within our furnace pours out  
much more heat than is desired  
and open fires no longer brighten  
any of the rooms.

Garden birds Chickadees, Crows &  
Blue jays heard.

Dr. Stevens came to see me at noon.  
I had then been asleep in my armchair  
most of the time since breakfast.  
He says these conditions are perfectly  
natural outcomes of my general illness  
& should not either disturb or  
mortify me. He thought a short  
walk might do me good, so I took  
one just after dinner, going to  
walk on the road between woods  
& creek to the bridge & back to  
house. I found it very pleasant  
and refreshing. I had been  
tired, thinking back to Plymouth  
Rock. I felt for Percy to keep her  
through winter.

Diurnal drowsiness continues to  
be the bane of my existence, although  
struggling against it all day long.  
I kept falling asleep & surely  
could not accomplish anything  
in the way of work. Even  
a walk of a mile or more, taken  
just before our noon dinner,  
failed to dispel the lethargy  
that so overpowers me.

E. R. S. went to Warrenton to see  
E. This afternoon. She read to  
me as usual after supper.

Miss Thompson & her school children  
came about 8 P.M. to sing Christmas  
carols in our driveway, after their usual  
custom. Lopsy had gone to her bed  
sing. was here to receive them. I  
lighted candles & after words of thanks



Cambridge Cambridge.

Ther Sunday, Dec. 22, 1918 Wea  
Fair.

Early morn sunny. Mostly thin  
cloudy after 10 A.M. Air warm  
almost perfectly windless.  
Lawns as green as ever. Little  
or no frost left in ground.  
[Raining at 9 P.M.]

Garden birds. Chickadees, Robins  
" Jay + heard.

Started for a walk at 10.30. Met  
Jowasson on Brattle St. & accompanied  
him to the Drinker house on  
Higdon St. Kept on thence up  
Brattle St. to the Gray place where  
a Downy Woodpecker & a Starling were  
seen. Also 10 Gulls high overhead,  
on their way to Fresh Pond.

Miss Allyn & Miss Hopper  
at dinner with E. K. S. & me.

We had a roast Concord/Cornell  
they departed about 3.30; after that  
I wrote letters & had a nap.

Ther Monday, Dec. 23, 1918 Wea  
Firm

Clear, calm, mild, heat Indian  
summer weather. A warm rain  
last night washed everything clean  
& left the grass on our lawn as  
verdant as it was three months  
ago.

Garden birds. A Goldcrest & a  
Chickadee together in thornhedge by  
Nesbitt's gate; 6 Cedar birds eating  
hawthorn berries in tree at rear  
of house; a Blue Jay screaming &  
several Crows cawing.

It was interesting to see the cedar birds  
omit the Parkman's apple singly &  
inspect its abundant & conspicuous  
fruits as yet unopened by frost & then  
to them sitting, apparently for they  
ate but little of any of it.

Another fine day spent mostly  
in the house. Walked up Brattle St.  
to Nichols house at noon & thence  
visited Lucy Dyer to her  
house. C. H. Tracy came by appointment  
at 2 P.M. to talk over affairs at Washington  
He stayed about 2 hours. Charles  
Lamb came in & left at 4.30 P.M.



Cambridge

Ther

Tuesday, Dec. 24, 1918

Wea

Dull.

A bright rosy sunrise followed  
by a cloudy day ending  
in a warm rain as twilight fell.

Garden birds. A Chipping Sparrow,  
10 Starlings perched in the box  
in the garden.

Spent most of day in house,  
mostly in the morning, but in the afternoon  
I took a walk in the various  
parks in the neighborhood, including  
the "Long" park. "Junior" heard  
me and, suddenly, called out loudly  
at his gas mask booth - how it has  
been affixed to the situation of our  
Army in France.

Cambridge

Ther

Wednesday, Dec. 25, 1918

Wea

Dull.

Literally a green Christmas as  
regards our lawns, and even the  
grass & showing no trace of snow or  
frost, but a rather gloomy day  
also because of dark lowering skies  
& some drizzling rainfall. There  
was little or no wind stirring.

Garden birds. Ten or a dozen Starlings  
busily eating Turk's-head apples; a  
Hairy Woodpecker high in Catalpa  
front of Museum.

Came in time with E. K. S. & we  
for the first time in this house  
since Sept. 5. I went to my room  
up by motor at 11.45 & wrote in bed  
at 5. I had first visited in January 1918  
& was much pleased with the 16 Thyne  
Black-pollers. After dinner I played  
to records, the album, "Early records to  
the air" & Christmas Cards, & we had  
a good talk in the evening.

Called on my nephew, I saw him & I  
talked with him. He discussed  
the present situation of the world  
with remarkable intelligence & reasonableness.



Cambridge.

Ther Thursday, Dec. 26, 1918 Wea  
Dull.

Dark cloudy with an inch or  
so of wet snow falling just  
before and after sunset,  
whitening all grassy surfaces  
but melting for the most part  
on stone or asphalt ones.

Garden birds. A Starling seen,  
Chickadee & a Jay heard.

In the house all day. Slept  
most of forenoon. Wrote to  
Dr. Gehring in late P.M.

Dr. Siemons called as twilight  
was falling. He seemed  
disappointed to find me in  
no better shape but new tonics  
will be tried. He wishes me  
to see Dr. Gehring if possible.  
The latter has just sent us  
word that he, Mrs. G., Bingham  
& Miss Pease will go to California  
in early January to remain there  
all winter & perhaps longer.

E. K. S. reads Daniels & Hoffmann  
to me after supper.

Cambridge.

Ther Friday, Dec. 27, 1918 Wea  
Dull.

Cloudy, calm, chilly. Surface of  
ground & snow that fell yesterday  
stiffened somewhat by light frost.

Garden birds. 6 Chickadees in withers;  
a Downy Woodpecker & one Hairy;  
a Crow on wing; 4 Pine Grosbeaks  
and about 15 Starlings, eating  
mature apples; 14 Cowbirds; Goldfinches  
eating seeds of Canada Berries, at head  
of garden. Three of the Grosbeaks looked  
like young ♂♂, the fourth like a ♀.

Accompanied by his handsome little  
crown painted dog Outram Bangs  
came at 9 A.M. to pass entire forenoon  
with me in Museum looking over  
his things & discussing them. He  
has desired to use in exchange. He  
also brought back very many which  
he & Batchelder borrowed for study  
last spring. I enjoyed seeing both  
him & the dog & was sorry to have  
them depart at 1 P.M.

Wrote a little after that.  
Usual evening reading.



# Cambridge

Ther  
24°

Saturday, Dec. 28, 1918

Wea  
Fair

Mostly cloudy but with occasional short periods of bright sunshine. Light northerly wind; seasonable temperature.

Garden birds. 2 Chickadees in snit, 4 Starlings in Parkman's apple tree with 2 Gray Squirrels.

Gilbert motored C. in town this morning. I was about to go with him to Harvard Square when a messenger from our State St. office brought out all our quarterly estate checks for my signature. This delayed me until 10.45 when there was barely enough time left for me to reach Dr. Andrews' office on foot. The elder Andrews is ill with grippe so his son replaced my bare front with falling, after which I had hair cut by Marshall. Then I walked home to find J. waiting, me at lunch - a good supper. After it we had a little music. Then at about 3 P.M. when he came arrived to discuss my paper. I went to the Club Boston with Miss Ireland's paper.

# Cambridge

Ther  
38° max.

Sunday, Dec. 29, 1918

Wea  
Fine

Cloudless, windless, comparatively mild. Altogether a pleasant & comfortable day for this time of year.

3 House Sparrows, pecking at horse droppings in Beacon Street, were the only birds that attracted my notice.

Spent forenoon in house, sleeping most of time. For the drowsiness that came over me when I seated myself to read or write could not be resisted by any means within my ken, at least within doors. To escape it in afternoon I made a round of neighborhood calls. Miss Allie dined with us as usual. E. R. S. read from "David Copperfield" to me after supper (as the always I saw Mrs. & Mrs. Betty & her children, Mr. Cobb, Senior & his daughter; at Mr. Spelman's only Mrs. S.; at Mr. Adams, no one).



Cambridge Cambridge

Ther

Monday, Dec. 30, 1918

Wea  
Fine

Clear & cool with light northerly wind. The sun beams gave cheer to a wintry landscape but had scarce warmth enough to melt the thin mantle of snow that covers most earth surfaces hereabouts, although all our city streets & sidewalks are quite free from it now.

Garden birds: 2 Starlings in Parkman apple tree; Jay heard screaming.

Spent forenoon in Horner's Museum writing letters & cheques for bills. Miss Bolch came to lunch with us. After it I walked to Harvard Square where the younger Dr. Andrews took x-ray photographs of most of my teeth, exposing 5 plates in all. It was wholly painless & soon over.

After that I called at Harvard Hall for a dining table which I had ordered some weeks ago. Will be home in gathering twilight. Almost no reading.

Ther

Tuesday, Dec. 31, 1918

Wea  
Dull.

Cloudy with a bitter chill in the light northerly wind. It brought snow flakes every now & then but no more than sufficed to whiten the ground by nightfall. There is little or no old snow left. The ground is not deeply frozen. When its surface was still soft a few days ago I noticed the pointed little green nose tips of squirrels & snow drops showing above it an inch or more. Miss Bolch told me yesterday that there are snow drops in full flower somewhere in Scott Street.

Garden birds. Crows & Jays heard.

Spent forenoon in Museum, writing a few letters. Dr. Fleecies called on me there. He insists that I must yield to, not resist, my tendency to diurnal drowsiness. He came on shortly after luncheon & I slept it off in a couple of hours. Almost sorry to get up in the morning.



Birds at Bethel, Me., June 13-15

Memoranda

1. Robin. Many ad., sev. juv., village lawns.
2. Hermit T. 1x near Shack, 1x near Fiddie's camp.
3. Veery 1x " Doctor G's house.
4. Cat-bird 1 silent. " " lawn shrubbery.
5. Bluebird 1x
6. Chickadee 1 silent, in mixed woods
7. House Wren 2 ♂♂ in village " " Inn,
8. Nashville W. 1x near Dr. G's
9. Yellow " 1x " Inn in village.
10. Magnolia " 3x
11. Yellow-rump " ♂ & ♀ Dr. G's shrubbery
12. Chestnut Side " 1x near of Fiddie's
13. Oven bird " 2x
14. Maryland G. Thrush 1x near of Fiddie's
15. Redstart 3x in village, 2x in woods
16. Solitary V. 1x near Shack
17. Red-eye " 3x in village, 2x in woods
18. Warbling " 1x " " n. end of Commons
19. Cedar Bird Several pairs in village elms
20. Barn Sw. Only 2 or 3.
21. Tree " One on way in village.
22. Purple T. 4 or 5 ♂♂ singing daily in village & Dr. G's
23. Goldfinch. Sev. on way
24. White-thr. Sp. 1x near Dr. G's house.

Memoranda

- One tapping & fluttering at window, See Diary for June 13.
25. Chipping. many scattered throughout village.
  26. Juncos ♂ & ♀ near Dr. G's house.
  27. Song Sp. Sev. ♂♂ near Dr. G's
  28. Rose-br. Gros. 1 ♂ singing daily " "
  29. Bobolink 1x near Chair factory
  30. Bal. Oriole 1x in village elms near Dr. G's
  31. Br. Grackle 2 on " " lawns.
  32. Crows Several.
  33. Kingbird " in village elms
  34. Phoebe 1x near Inn
  35. Alder T. 1x near Dr. G's
  36. Cowbird Several x in village orchards
  37. Hummer One or more daily at Dr. G's house  
3 came down chimney into Dr. G's room
  38. Swift. Several constantly in light over village.
  39. Whip-poorwill 2 ♂♂ after off W. fr. h. ev. June 15
  40. Flicker 1 in forest
  41. Pileated W. Fresh hole holes old nest. See diary entry June 14.
  42. House Sparrow. Two or three pairs  
nesting under caps of electric lights about  
village Commons.



Birds at Glendale, Mass., Aug. 13-

Memoranda

1. Robin 14<sup>2</sup> 15' 18' <sup>ad. with</sup> 19 <sup>white</sup> <sup>young</sup>.
2. Cedar bird 14 <sup>hd</sup> 15 <sup>hd</sup>.
3. Red-eye 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup>
4. Nuthatch 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 18<sup>2</sup> 19<sup>hd</sup> 20<sup>hd</sup> 21<sup>hd</sup>
5. Goldfinch 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
6. Song Sparrow 14<sup>2</sup> <sup>juv</sup>
7. Chipping 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
8. House Wren 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
9. Kingbird 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
10. Wood Pewee 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
11. Whippoorwill 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
12. Red should H. 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
13. Broad wing 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
14. Green Heron 14<sup>2</sup> 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
15. Purple Finch 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
16. Bal. Oriole 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
17. Barn Swallow 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
18. Sparrow 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
19. Wood Thrush 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
20. Chickadee 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
21. Crested Flycatcher 15<sup>2</sup> 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
22. Hummingbird 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
23. Crow 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.
24. Blue Jay 16<sup>2</sup> 17<sup>2</sup> 18<sup>2</sup> 19<sup>2</sup> 20<sup>2</sup> 21<sup>2</sup> <sup>ad. with</sup> <sup>white</sup> <sup>young</sup>.

Memoranda

25. Least Pewee 17'
26. Hermit Thrush 17' <sup>hd</sup> <sup>clerk</sup>
27. Black thr. Green W. 17' <sup>hd</sup> <sup>clerk</sup> 20<sup>2</sup> <sup>juv</sup>
28. Flicker 18' 21'
29. Black bill Cuckoo 18'
30. Partridge 17' <sup>brood</sup> <sup>of</sup>
31. Oven bird 18'
32. Indigo bird 18<sup>2</sup> <sup>in</sup>
33. House Sparrow 19' <sup>(7)</sup> <sup>in spruce</sup> <sup>(the 7)</sup> <sup>front of house</sup> <sup>place</sup>
34. Black & White Creeper 19<sup>2</sup> 20<sup>2</sup>
35. Black thr. Blue W. 20<sup>2</sup>
36. Downy Woodpecker 20<sup>2</sup> <sup>in</sup> <sup>afflu</sup>
37. Rose br. Grosbeak 20<sup>2</sup> <sup>ad. call</sup> 21<sup>2</sup> <sup>hd</sup>
38. Bobolink 21' <sup>flight</sup> <sup>call</sup> <sup>heard</sup> <sup>fairly</sup>
39. Maryland G. Thrush 21' <sup>near Glendale</sup> <sup>R. R. Station</sup>

Migration

Aug. 13. Heavy noc. flight Warblers 9-11 P. M.  
 " 14 " " " " " " "



Birds in our Garden.

Cambridge, JANUARY. 1918

	Received.	Paid.
1	Chickadee 1 <sup>6</sup> 2 <sup>sev.</sup> 3 <sup>sev.</sup> 5 <sup>3</sup> 6 <sup>4</sup> 7 <sup>4</sup> 8 <sup>sev.</sup>	
2	House Sp. 1 <sup>12</sup> 2 <sup>20</sup> 3 <sup>20</sup> 4 <sup>4</sup> 5 <sup>6</sup> 6 <sup>4</sup> 7	
3	Starling 1 <sup>in</sup> 2 <sup>12</sup> 3 <sup>12</sup> 4 <sup>12</sup> 5 <sup>12</sup> 6 <sup>12</sup> 7 <sup>12</sup> 8 <sup>12</sup> 9 <sup>12</sup> 10 <sup>8</sup>	
4	Blue Jay 1 <sup>1</sup> 2 <sup>hd.</sup> 3 <sup>hd.</sup> 4 <sup>hd.</sup> 5 <sup>hd.</sup> 6 <sup>hd.</sup> 11 <sup>1</sup> 12 <sup>1</sup>	
5	Crow 1 <sup>3</sup> eating seeds in mus. catel. 2 <sup>hd.</sup> 3 <sup>1</sup> on 5 <sup>2</sup> do. 8 <sup>hd.</sup>	
6	White-throated Sp. 3 <sup>1</sup> in in clothes yard. 7 <sup>1</sup> chirping on air	
7	Flicker 9 <sup>2</sup> eating Parkman apples with Starlings. 15 <sup>1</sup> on scotch pear tree attack bark	
8	Red-bird 12 <sup>8</sup> eating Park. apples.	
9	Butcher bird 18 <sup>2</sup> in apple tree with Chickadees (See Diary)	

Birds in our Garden

Cambridge. JANUARY 29<sup>4</sup> 30<sup>2</sup>

Date.	Received.	Paid.
22 <sup>2</sup> 23 <sup>2</sup> 24 <sup>4</sup> 26 <sup>4</sup>		
9 <sup>sev.</sup> 10 <sup>2</sup> 11 <sup>2</sup> 12 <sup>2</sup> 15 <sup>2</sup> 17 <sup>2</sup> 18 <sup>8</sup> + nothing a Shrike 19 <sup>2</sup> 20 <sup>4</sup> 21 <sup>sev.</sup>		
8 <sup>9</sup> sev. 10 <sup>13</sup> 13 <sup>1</sup> 30 <sup>3</sup> in clothes yard. 31 <sup>3</sup> do. (29 <sup>4</sup> do.)		
11 <sup>2</sup> do. 12 <sup>2</sup> do. 15 <sup>3</sup> do 16 <sup>do</sup> 17 <sup>8</sup> do. 23 <sup>1</sup> do. 25 <sup>6</sup> do. 26 <sup>7</sup> do		
15 <sup>1</sup> 16 <sup>1</sup> 25 <sup>1</sup> 27 <sup>2</sup> 29 <sup>1</sup> 30 <sup>1</sup>		
10 <sup>hd.</sup> 22 <sup>2</sup> on lawn 23 <sup>1</sup> in jungle. 30 <sup>hd.</sup>		
17 <sup>2</sup> eating Park app. 23 <sup>2</sup> do. 24 <sup>2</sup> do. 27 <sup>2</sup> on pear tree		



# Birds in our Garden, Cambridge

CASH ACCOUNT.

FEBRUARY.

Date.	Received.	Paid.
1	Robin 1 <sup>st</sup> in Papper	
2	Starling 1 <sup>st</sup> in Papper 2 <sup>nd</sup> to	
3	Jay 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>	
4	Thrush 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>	
5	Flicker 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>	
6	Chorus 2 <sup>nd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> 6 <sup>th</sup> 7 <sup>th</sup> 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>	
7	House Sparrow 8 <sup>th</sup> 9 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup>	

# Birds in our Garden, Cambridge

CASH ACCOUNT.

FEBRUARY.

Date.	Received.	Paid.
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		
10 <sup>th</sup> 11 <sup>th</sup> 12 <sup>th</sup> 13 <sup>th</sup> 14 <sup>th</sup> 15 <sup>th</sup> 16 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 19 <sup>th</sup> 20 <sup>th</sup> 21 <sup>st</sup> 22 <sup>nd</sup> 23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup> 26 <sup>th</sup> 27 <sup>th</sup> 28 <sup>th</sup> 29 <sup>th</sup> 30 <sup>th</sup>		



Birds in our Garden, Cambridge.  
CASH ACCOUNT. MARCH.

CASH ACCOUNT. MARCH.

Date.	Received.	Paid.
1	Chickadee 2 hd. 5-2	
2	Crow 2 <sup>sw. hd at</sup> 3 do 4 <sup>5 in</sup> lunders 5-hd	
3	Blue Jay 4 <sup>3 in</sup> lunders 5-hd. 232 251 2	
4	Robin 25 <sup>in lunders 3 do at</sup> early morn. <sup>ev. %</sup>	
5	Br. Grackle 23 <sup>15</sup> 24 <sup>10</sup> 25 <sup>6</sup> 264	
6	Fox Sparrow 23 <sup>3</sup> 24 <sup>3</sup> 25 <sup>2</sup> 26 <sup>2</sup> 2	
7	Song " 23' 28'	
8	House " 22 <sup>5</sup> 23 <sup>3</sup> 24 <sup>3</sup> 25 <sup>2</sup> 26 <sup>3</sup>	
9	Downy W. 23 <sup>at</sup> 28 <sup>even</sup>	
10	Flicker 24 <sup>8</sup> 29' 31 <sup>29</sup> <sup>at %</sup>	
11	N. Shrike 26 <sup>1</sup> <sup>fr. gray bird chasing</sup> <sup>th. lunders</sup>	
12	Juncos 28 <sup>in</sup> lunders.	
13	Goldfinch 29 <sup>high call</sup> <sup>lunders</sup>	

CASH ACCOUNT. MARCH.

CASH ACCOUNT. MARCH.

Date	Received.	Paid.
4 24 <sup>4</sup> 25 <sup>-2</sup> 27 <sup>2</sup> 28 <sup>2</sup> 29 <sup>2</sup> 31 <sup>3</sup>		
8' 29' 31 <sup>2</sup>		
28 <sup>2</sup> on Canon 29 <sup>1</sup> at eve. in <u>lindus</u> 30' 31 <sup>4</sup> at <u>av</u>		
27 <sup>4</sup> 28 <sup>6</sup> 29 <sup>6</sup> + 30 <sup>3</sup> 31 <sup>5</sup>		
28' 29'		
27' 28' 29 <sup>5</sup> 30 <sup>5</sup> 31 <sup>5</sup>		
31 <sup>5</sup>		



# Birds in our Garden, Cambridge

CASH ACCOUNT. APRIL.

Date.	Received.	Paid.
1	Robin 1 <sup>2</sup> at 2, 3' 4' 6 <sup>3</sup> 7 <sup>2</sup> 8 <sup>4</sup> 9 <sup>3</sup> 10 <sup>2</sup>	
2	House Sp. 1 6+ 2 6+ 6 8+ 8 10+ 9 sw. 15 sw. 16 d	
3	Br. Grackle 1 7+ mating 2 5- 4 5 5 6 5 8 9 8 10 2	
4	Flicker 1 <sup>2</sup> 8 <sup>1</sup> 20 <sup>+</sup> on ground 25'	
5	Can. Geese 1 flock heard in distance westward at 4 P.M.	
6	Fox Sparrow 2' 3' 4' 5' 6'	
7	Crow 1 <sup>2</sup> at 2 do 3 <sup>4</sup> in lindens 9 2 16 2 19 4	
8	Robin 3 <sup>2</sup> in lindens 7 <sup>2</sup> 8' 11' 3 <sup>2</sup> 15 <sup>2</sup>	
9	Sparrow Hawk 6 <sup>2</sup> 7 <sup>2</sup>	
10	Junco 8' 25 <sup>2</sup> 26 <sup>2</sup>	
11	Song W. 15' in jungle, 20 <sup>2</sup> 22 <sup>2</sup> 25 <sup>2</sup> 27 <sup>2</sup>	
12	Starling 16 <sup>2</sup> in parkman 22 <sup>2</sup> in willows 27 <sup>15+</sup> Hubbard Pk	
13	Hermit Thrush 19 <sup>1</sup> in jungle 2 in grounds of Mr. Spelman 20' 22 <sup>2</sup>	
14	Song Sparrow 23 <sup>2</sup> in thick by Mrs.	
15	Sapsucker 25 <sup>2</sup> at in jungle 26 <sup>2</sup> at in jungle	
16	Chiffy 28 <sup>1</sup> Hubbard Park 30 <sup>1</sup> Hubbard Park	

CASH ACCOUNT. APRIL.

Date.	Received.	Paid.
23 <sup>2</sup> 24 <sup>2</sup> 25 <sup>2</sup> 26 <sup>2</sup>	27 <sup>2</sup> 28 <sup>2</sup> 30 <sup>2</sup>	
12' 13' 14 <sup>2</sup> 15 <sup>2</sup> 16 <sup>2</sup> 17 <sup>2</sup> 18 <sup>4</sup> 19 <sup>2</sup> 20' 21 <sup>2</sup> 22 <sup>2</sup>		
17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>2</sup> 20 <sup>2</sup> 22 <sup>2</sup> 23 <sup>2</sup> 24 <sup>2</sup> 25 <sup>2</sup> 26 <sup>2</sup> 27 <sup>2</sup> 28 <sup>2</sup>		
12 <sup>2</sup> 13 <sup>2</sup> one bad badly injured & moping 16 <sup>15</sup> 17 <sup>10</sup> 18 <sup>2</sup> 19 <sup>2</sup> 22 <sup>3</sup> 24 <sup>2</sup>		
25 <sup>2</sup> 26 <sup>2</sup> 27 <sup>2</sup> 28 <sup>2</sup> 30 <sup>2</sup>		
24 <sup>2</sup> 25 <sup>2</sup> 26 <sup>2</sup>		
18 <sup>2</sup> 23 <sup>2</sup> 24 <sup>2</sup> 25 <sup>2</sup> 26 <sup>2</sup> at work on art work at work on art work		30 <sup>2</sup> 28 <sup>2</sup> 29 <sup>2</sup> 30 <sup>2</sup>
30 <sup>2</sup>		
23 <sup>1</sup> 25 <sup>2</sup> on ground 26 <sup>2</sup> do 27 <sup>2</sup> do 28 <sup>2</sup> do		
27 <sup>2</sup> in (no red) 28 <sup>2</sup> do in jungle 30 <sup>2</sup> do		



*Birds in our Garden, Cambridge*  
CASH ACCOUNT. MAY.

Date.	Received.	Paid.	
1	Robin 1 ♂ 2 ♂ 17 ♂ 29 ♂ ad + 4 *	30 ♂ ad young 2 ♂	
2	Hermit Thrush 1 "		
3	White-thr. Sparrow 1 ad 2 ♂		
4	Blue Jay 1 ♂ 2 ♂ 17 ♂ an. nest in Hawthorn	29 do 30 do	
5	House Sparrow 1 set	29 2 30 2	
6	Purple Finch 2 in 9 pl. of Mrs.		
7	Chippy 17 ♂ in lilacs	30 ♂ do.	
8	Swainson Th. 17 " (calling hawk)	29 ♂ 30 ♂ 31 ♂	
9	Bat. Oriole 17 ♂ fin singer	30 ♂	
10	Browed Grackle 17 ♂ an.	29 ♂ do. 30 ♂	
11	Black-hood Warbler 29 ♂	30 ♂ 31 ♂	
12	Redstart 29 2 in 9 pl. one ♂	30 2 do. 31 ♂	
13	Yellow-bellied Fly. 29 2 in lilacs one is currently calling	30 ♂	
14	Crow 29 ad 30 2 an.		
15	Red-eyed Vireo 29 ♂ 30 ♂	31 ♂	
16	Chimney Swift 30 ♂		
17	Rose br. Grosbeak 31 ♂		

CASH ACCOUNT. MAY.



# Birds in our Garden, Cambridge.

## CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
1. Robin	7 <sup>2 ad. Sev.</sup> 8 <sup>do</sup> 9 <sup>do</sup> 15 <sup>do</sup> 16 <sup>do</sup> 17 <sup>do</sup> 20 <sup>bat.</sup>	12 <sup>do</sup>
2. Red-eye Vireo	7 <sup>*</sup> 9 <sup>*</sup> 16 <sup>*</sup> 17 <sup>*</sup> 18 <sup>*</sup> 20 <sup>*</sup> 23 <sup>*</sup>	
3. Blue Jay	7 <sup>ad. pair feeding unfledged</sup> 8 <sup>do</sup> 9 <sup>do</sup> 16 <sup>hd</sup>	
4. Starling	7 <sup>Sev. eating</sup> 8 <sup>do</sup> 9 <sup>8 + ad. juv.</sup> 16 <sup>15 + do.</sup>	
5. Oriole	8 <sup>♂ feeding young in nest high</sup> in elm over street near Wallis house Martinich	
6. Swift	7 <sup>hd</sup> 8 <sup>do</sup> 9 <sup>do</sup> 15 <sup>do</sup> 16 <sup>2</sup> 17 <sup>3</sup>	
7. Crow	8 <sup>2 in</sup> 3 <sup>hd in</sup> 3 <sup>hd in</sup> 3 <sup>hd in</sup>	
8. Goldfinch	9 <sup>i</sup> 18 <sup>hd</sup> 20 <sup>2 ♀ in</sup> 23 <sup>flight call</sup>	
9. Grackle	8 <sup>i</sup> 16 <sup>2 do</sup> 17 <sup>2 do</sup> 20 <sup>2 ad } eating</sup>	
10. Screech Owl	9 <sup>2 ad. red birds close together</sup> in bird (See diary)	
11. House Sparrow	7 <sup>Sev.</sup> 8 <sup>6 + 1 juv. eating</sup> 16 <sup>8 + 1 do.</sup> 17 <sup>do</sup>	
12. Warbling Vireo	16 <sup>♂ in</sup> 16 <sup>in</sup> 16 <sup>in</sup>	
13. Kingbird	10 <sup>hd.</sup> 16 <sup>1 in</sup> 17 <sup>1 in</sup> 23 <sup>hd</sup>	
14. Wood Pewee	17 <sup>hd. only one</sup> 17 <sup>in</sup> 17 <sup>in</sup>	
15. Night hawk	17 <sup>heard preening over</sup> 17 <sup>in</sup> 30 <sup>hd</sup>	
16. Redstart	18 <sup>♂ in</sup> 18 <sup>at</sup> 18 <sup>at</sup>	
17. Flicker	18 <sup>♂ ad on tree fr. of h.</sup> 20 <sup>♂ do</sup> 23 <sup>hd</sup> 30 <sup>1 probing cracks in stone flying in front of house.</sup>	
18. Yellow Warbler	20 <sup>♂ ad in</sup> 20 <sup>in</sup> 20 <sup>in</sup>	
19. Chipping	23 <sup>1 ad. 2 full grown</sup> 30 <sup>adult feeding 3 - also</sup>	
20. Sparrow hawk	29 <sup>♂ flying n. over jungle first</sup> 29 <sup>at</sup> 29 <sup>at</sup>	

## CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
22 <sup>Sev. in</sup> 23 <sup>4 ad (on</sup> 29 <sup>at</sup> 30 <sup>6 ad. 4 or 5 young, one</sup>		
24 <sup>*</sup> 29 <sup>*</sup> 30 <sup>*</sup>		
17 <sup>1 ad. Young going fr. nest. Percy</sup> 18 <sup>at</sup> 20 <sup>at</sup> 23 <sup>hd</sup> 24 <sup>hd</sup>		
17 <sup>do</sup> 20 <sup>4 do</sup> 22 <sup>2 do</sup> 23 <sup>3 on</sup>		
9 <sup>♂ in</sup> 15 <sup>in</sup> 16 <sup>in</sup> 17 <sup>in</sup> 24 <sup>2</sup>		



# Birds in our Garden, Cambridge.

CASH ACCOUNT. JULY.

	Received.	Paid.
1. Robin	1 <sup>ad</sup> 4 <sup>juv.</sup> 2 <sup>do.</sup> 4 <sup>2</sup> 5 <sup>2ad.</sup> 8 <sup>1at</sup> 14 <sup>2at</sup>	1 <sup>at</sup> 14 <sup>2at</sup>
2. Red-eye	1 <sup>ad</sup> 2 <sup>ad</sup> 4 <sup>3ad</sup> 5 <sup>1</sup> 8 <sup>1</sup> 14 <sup>1</sup> 15 <sup>1</sup> 16 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>1</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>1</sup> 26 <sup>1</sup> 28 <sup>1</sup> 29 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
3. Chiffy	1 <sup>1</sup> 2 <sup>1ad</sup> 4 <sup>1</sup> 5 <sup>1ad</sup> 8 <sup>1</sup> 14 <sup>1</sup> 15 <sup>1</sup> 16 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>1</sup> 24 <sup>1</sup> 25 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
4. House Sp.	14 23 48+ 5 <sup>10+</sup> 14 <sup>2</sup> 15 <sup>2</sup> 16 <sup>2</sup> 21 <sup>6on</sup>	25 <sup>1ad</sup> 30 <sup>4</sup> 31 <sup>6on</sup>
5. Blue Jay	1 <sup>hd</sup> 15 <sup>1</sup> 20 <sup>hd</sup> 22 <sup>1</sup> 23 <sup>1</sup> 26 <sup>1</sup> 29 <sup>1</sup> 30 <sup>1</sup>	31 <sup>1</sup>
Kingbird	1 <sup>1</sup> 2 <sup>1</sup> 4 <sup>1</sup> 5 <sup>1</sup> 8 <sup>1</sup> 14 <sup>1</sup> 15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup>	20 <sup>1</sup> 21 <sup>1</sup> 23 <sup>1</sup> 26 <sup>1</sup> 28 <sup>1</sup> 29 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
7. Oriole	1 <sup>ad</sup> 20 <sup>ad</sup> (full song twice about 8 a.m.) 25 <sup>hd</sup>	26 <sup>do</sup> 31 <sup>ad</sup> (moulting & ragged)
8. Swift	2 <sup>4at</sup> 15 <sup>2at</sup> 16 <sup>4at</sup> 18 <sup>3at</sup> 19 <sup>hd</sup> 20 <sup>2at</sup>	21 <sup>hd</sup> 23 <sup>do</sup> 24 <sup>do</sup> 25 <sup>do</sup> 26 <sup>do</sup> 29 <sup>do</sup> 30 <sup>do</sup> 31 <sup>do</sup>
9. Flicker	4 <sup>3in</sup> 1 <sup>probing</sup> 5 <sup>1</sup> 15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 24 <sup>1</sup>	
10. Brown	15 <sup>hd</sup> 16 <sup>young</sup> 24 <sup>hd</sup> 26 <sup>hd</sup>	
11. Grackle	16 <sup>12</sup> 19 <sup>2</sup> 21 <sup>2on</sup> 22 <sup>2on</sup> 24 <sup>1do</sup> 25 <sup>1</sup> 26 <sup>1</sup> 29 <sup>2on</sup> 30 <sup>3do</sup>	
12. Goldfinch	16 <sup>3ad</sup> 17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup>	(29 <sup>1</sup> 30 <sup>1</sup> )
13. Screech Owl	21 <sup>1</sup> (unsure bird in jungle, robbled by host of infuriated Robins at nightfall.)	24 <sup>1</sup> 26 <sup>1</sup> 27 <sup>1</sup> 28 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
14. Black & White Creeper	21 <sup>1</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>1</sup> 25 <sup>1</sup>	26 <sup>1</sup> 29 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
15. Oven Bird	22 <sup>2</sup> 23 <sup>do</sup> 24 <sup>1</sup> 31 <sup>3</sup>	
16. Cedar bird	25 <sup>2</sup> 26 <sup>3</sup> 28 <sup>2</sup>	29 <sup>2</sup> 30 <sup>2</sup> 31 <sup>3</sup>
17. Golden-wing W.	30 <sup>2</sup> 31 <sup>1</sup>	
18. Yellow Warbler	31 <sup>1</sup>	

CASH ACCOUNT. JULY. <sup>ad</sup> 31<sup>2</sup>

Date.	Received.	Paid.
23 <sup>2</sup> 24 <sup>8+</sup> 25 <sup>1+</sup> 26 <sup>1+</sup>	15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>2</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>	15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>2</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>
15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>2</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>	15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>2</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>	15 <sup>1</sup> 16 <sup>1</sup> 17 <sup>2</sup> 18 <sup>2</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>2</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>
17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>2</sup> 20 <sup>1</sup> 21 <sup>1</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>2</sup> 20 <sup>1</sup> 21 <sup>1</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>2</sup> 20 <sup>1</sup> 21 <sup>1</sup> 22 <sup>1</sup> 23 <sup>1</sup> 24 <sup>2ad</sup> 26 <sup>2</sup> 28 <sup>1</sup> 29 <sup>2ad</sup> 30 <sup>1</sup> 31 <sup>1</sup>
17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>1</sup> 24 <sup>1</sup> 25 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>1</sup> 24 <sup>1</sup> 25 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>	17 <sup>1</sup> 18 <sup>1</sup> 19 <sup>1</sup> 20 <sup>1</sup> 21 <sup>1</sup> 24 <sup>1</sup> 25 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>
25 <sup>1</sup> ad 30 <sup>4</sup> 31 <sup>6</sup> on lawn	25 <sup>1</sup> ad 30 <sup>4</sup> 31 <sup>6</sup> on lawn	25 <sup>1</sup> ad 30 <sup>4</sup> 31 <sup>6</sup> on lawn
20 <sup>hd</sup> 21 <sup>hd</sup> 23 <sup>hd</sup> 26 <sup>hd</sup> 28 <sup>hd</sup> 28 <sup>hd</sup> 30 <sup>hd</sup> 31 <sup>hd</sup>	20 <sup>hd</sup> 21 <sup>hd</sup> 23 <sup>hd</sup> 26 <sup>hd</sup> 28 <sup>hd</sup> 28 <sup>hd</sup> 30 <sup>hd</sup> 31 <sup>hd</sup>	20 <sup>hd</sup> 21 <sup>hd</sup> 23 <sup>hd</sup> 26 <sup>hd</sup> 28 <sup>hd</sup> 28 <sup>hd</sup> 30 <sup>hd</sup> 31 <sup>hd</sup>
26 <sup>do</sup> 31 <sup>5</sup> ad. moulting & ragged	26 <sup>do</sup> 31 <sup>5</sup> ad. moulting & ragged	26 <sup>do</sup> 31 <sup>5</sup> ad. moulting & ragged
20 <sup>2</sup> ad 21 <sup>hd</sup> at wire. 23 <sup>do</sup> 24 <sup>do</sup> 25 <sup>do</sup> 26 <sup>do</sup> 29 <sup>do</sup> 30 <sup>do</sup> 31 <sup>do</sup>	20 <sup>2</sup> ad 21 <sup>hd</sup> at wire. 23 <sup>do</sup> 24 <sup>do</sup> 25 <sup>do</sup> 26 <sup>do</sup> 29 <sup>do</sup> 30 <sup>do</sup> 31 <sup>do</sup>	20 <sup>2</sup> ad 21 <sup>hd</sup> at wire. 23 <sup>do</sup> 24 <sup>do</sup> 25 <sup>do</sup> 26 <sup>do</sup> 29 <sup>do</sup> 30 <sup>do</sup> 31 <sup>do</sup>
24 <sup>do</sup> 25 <sup>6</sup> 26 <sup>6</sup> 28 <sup>2</sup> on lawn 29 <sup>7</sup> on lawn 30 <sup>5</sup> do.	24 <sup>do</sup> 25 <sup>6</sup> 26 <sup>6</sup> 28 <sup>2</sup> on lawn 29 <sup>7</sup> on lawn 30 <sup>5</sup> do.	24 <sup>do</sup> 25 <sup>6</sup> 26 <sup>6</sup> 28 <sup>2</sup> on lawn 29 <sup>7</sup> on lawn 30 <sup>5</sup> do.
(29 <sup>6</sup> on lawn) 30 <sup>1</sup>	(29 <sup>6</sup> on lawn) 30 <sup>1</sup>	(29 <sup>6</sup> on lawn) 30 <sup>1</sup>
24 <sup>2</sup> 29 <sup>4</sup> bathing together at spring, 30 <sup>4</sup> 31 <sup>6</sup> 30 <sup>1</sup> 31 <sup>1</sup>	24 <sup>2</sup> 29 <sup>4</sup> bathing together at spring, 30 <sup>4</sup> 31 <sup>6</sup> 30 <sup>1</sup> 31 <sup>1</sup>	24 <sup>2</sup> 29 <sup>4</sup> bathing together at spring, 30 <sup>4</sup> 31 <sup>6</sup> 30 <sup>1</sup> 31 <sup>1</sup>
29 <sup>2</sup> 30 <sup>2</sup> 31 <sup>3</sup>	29 <sup>2</sup> 30 <sup>2</sup> 31 <sup>3</sup>	29 <sup>2</sup> 30 <sup>2</sup> 31 <sup>3</sup>
31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup> 30 <sup>1</sup> 31 <sup>1</sup>		



# Birds in our Garden, Cambridge.

CASH ACCOUNT. AUGUST.

Date.	Received.	Paid.
1 Robin	1 ♂ ad. 2 ad. 3 ad. 4 2 5 3 6 4 7 <sup>6 eating</sup>	<sup>recm.</sup>
2 Red eye V.	1 ♂ ad. 2 3 4 2 5 1 ad. 6 2 7 8	
3 Cedar Bird.	1 hd. 2 hd. 3 hd. 4 hd. 5 hd. 6 <sup>1 eating</sup>	<sup>recm.</sup>
4 Chippy	1 2 3 4 5 6 <sup>hd only</sup> 7 8	<sup>over.</sup>
5 Crow	1 2 3 3 4 2 7 1 13	
6 Jay	1 3 2 2 3 2 4 2 5 10 23	
7 Oriole	1 hd. 4 ♂ ad. 7 juv. 8 ♂ ad. 1 juv. 22	
8 Grackle	1 ad. 2 do. 3 3 4 3 5 6 6 15 + in	<sup>in</sup>
9 Swift	1 ad. 3 do. 4 do. 5 do. 6 do. 8 3	
10 House Sparrow	1 ad. 2 do. 3 2 4 3 5 4 6 4 7 4 8	
11 King bird	1 hd. 3 hd. 5 2 6 juv. 7 do. 8 do	
12 Screech Owl	1 red ad. all day 3 1 all day	<sup>in</sup>
13 Mniotilta	1 2 in 2 4 4 in 6 (4) do. 7 2	<sup>in</sup>
14 Oven bird	1 2 ad. 3 2 do. 4 3 do. 5 hd. 6	<sup>in</sup>
15 Golden wing W.	1 ♂ ad. in 4 juv. in 7 ad.	
16 Flicker	3 7 13	
17 Chestnut side W.	6 3 juv. showing 7 2 do.	
18 Maryland Yellow Thr.	6 2 unsex. Sang Thrice	
19 Blue wing Yellow W.	7 1 with white wing bars See	
20 Downy Woodpecker	8 hd.	
21 Black th. Green Warbler	22 2 juv. 23 2	
22 Yellow Warbler	22 ♂ juv. 23 2 juv.	
23 Prairie "	22 4	
24 Scarlet Tanager	22 1 in 2 pl. but	

CASH ACCOUNT. AUGUST.

Date.	Received.	Paid.
8 2 do. 11 1 ad. Tail juv. 12 4 22 2 + 23 25 + 28 2		
11 12 2 22 2 23 2		
7 2 do 8 2 do 11 1 ad. 22 2 eating recm. 23 do.		
23 2 ad 4 juv.		
7 6 do. 8 4 do 22 4 23 4		
11 hd. 12 hd. 23 2 23 1		
10 23		
11 do. 12 do		
4 1 in ash. 2 3 1 red bird in tall		
8 10 11 22		
6 2 7 23 1 on ground		
7 2 juv		



Birds in our Garden, Cambridge  
GAIL ACCOUNT SEPTEMBER

SEPTEMBER.

Date.	Received.	Paid.
Goldfinch	4 <sup>2</sup> ad. ♂♂ on ground.	
Blue Jay	5'	
Robin	13 <sup>12</sup> + eating from cherries 14 <sup>6</sup>	
Chickadee	13' 14'	
Water Thrush	13 <sup>heard</sup> chirping	
Tennessee? Warbler	13 <sup>2</sup> in bird ground chirping sharply (not well identified)	
Black-poll	" 14' well seen.	
Cedar bird	14' in from cherry.	

CASH ACCOUNT. SEPTEMBER.

SEPTEMBER.



CASH ACCOUNT.      OCTOBER.

CASH ACCOUNT.      OCTOBER.



# Birds in our Garden, Cambridge

CASH ACCOUNT. NOVEMBER.

CASH ACCOUNT. NOVEMBER.

	Received.	Paid.
1. Robin 10 <sup>4</sup> <sup>calling</sup> 26 <sup>unseen bird heard calling many times</sup>		
2. Chickadee 10 <sup>4</sup> <sup>in lilacs</sup> 11 <sup>in lilacs</sup> 17 <sup>2</sup> 19 <sup>2</sup> 20 <sup>2</sup> 22 <sup>hd</sup> 23 <sup>'</sup> 24 <sup>'</sup> 25 <sup>'</sup> 26 <sup>hd</sup> 28 <sup>(4) in jungle</sup> 29 <sup>'</sup> 30 <sup>'</sup>		
3. Br. Creeper 10 <sup>in</sup> 17 <sup>do.</sup>		
4. Goldfinch 10 <sup>hd.</sup>		
5. Junco 10 <sup>hd.</sup> 28 <sup>1 with 2 Tree Sparrows on ground in jungle.</sup>		
6. White-throat 10 <sup>'</sup> 17 <sup>im.</sup> 19 <sup>'</sup> 29 <sup>'</sup> <sup>bad in lilacs</sup>		
7. Flicker 10 <sup>'</sup> 19 <sup>'</sup> 26 <sup>heard</sup> 29 <sup>heard</sup>		
8. Downy W. 11 <sup>hd.</sup> 20 <sup>hd.</sup> 28 <sup>1 in willow</sup> 29 <sup>in lilacs</sup>		
9. Pine Siskit 17 <sup>33</sup> <sup>c. in gray birch, eating seeds</sup> 19 <sup>hd.</sup>		
10. Hairy W. 18 <sup>hd.</sup> 23 <sup>in birch tree</sup>		
11. Crow 18 <sup>'</sup> 20 <sup>hd.</sup> 21 <sup>2 in Linden</sup> 2 <sup>in</sup> 2 <sup>in</sup> 28 <sup>2</sup> 30 <sup>4</sup>		
12. Her. Gull 18 <sup>'</sup> 20 <sup>15</sup> 27 <sup>7</sup>		
13. Blue Jay 19 <sup>'</sup> 20 <sup>2</sup> 21 <sup>'</sup> 24 <sup>'</sup> 21 <sup>2</sup> 27 <sup>'</sup> 28 <sup>'</sup>		
14. Golden crest Kinglet 26 <sup>unseen bird heard in lilacs</sup>		
15. Starling 27 <sup>2</sup>		
16. Hermit Thrush 28 <sup>'</sup> <sup>on ground in jungle</sup> 28 <sup>'</sup> <sup>in Tree Sparrows &amp; on Juncos</sup>		
17. Tree Sparrow 28 <sup>'</sup> <sup>very tame, with Juncos &amp; Hermit</sup> 28 <sup>'</sup> <sup>on ground in jungle &amp; grape arbor</sup>		
18. House Sparrow 28 <sup>'</sup> <sup>in jungle</sup> 29 <sup>'</sup>		
19. White-bellied Nuthatch 29 <sup>'</sup> <sup>in pear tree &amp; willows by Mrs. gate.</sup>		



# Birds in our Garden, Cambridge

CASH ACCOUNT. DECEMBER.

	Received.	Paid.	Date.
1	Chickadee 1 hd. 3 hd. 45 + 51 an Suet	17 <sup>3 in</sup> lilacs 20 <sup>Sew.</sup>	18 <sup>3</sup>
2	House Sparrow 1. " 3 <sup>10 in</sup> sparrow 4 <sup>Sew.</sup>	19 <sup>9</sup> 27 <sup>1</sup>	29 <sup>3</sup>
3	Crow 1 hd. 3 hd. 4 <sup>Sew.</sup> 7 hd. 9 hd.	11 hd. 13 hd.	16 <sup>hd.</sup> 17 <sup>3 in</sup> Hub. Ph. 18 <sup>hd.</sup> 19 <sup>hd.</sup> 20 <sup>hd.</sup> 21 <sup>hd.</sup> 22 <sup>hd.</sup> 23 <sup>hd.</sup> 24 <sup>hd.</sup> 26 <sup>hd.</sup>
4	Downy 3 <sup>hd. in</sup> Hubbard 7. 20 <sup>hd.</sup> 27 <sup>2</sup>		
5	Golden-crested K. 3 <sup>hd. in</sup> lilacs. 23 <sup>1</sup> with Chickadee		
6	Hairy W. 15 <sup>1</sup> hd in. 25 <sup>1</sup> in garden in Calathea	27 <sup>1</sup> do.	
7	Blue Jay 21 <sup>hd.</sup> 22 <sup>hd.</sup> 23 <sup>hd.</sup> 26 <sup>hd.</sup> 30 <sup>hd.</sup>	31 <sup>hd.</sup>	
8	Cedar bird. 23 <sup>(6)</sup> eating h. in house		
9	Starling 24 <sup>(10)</sup> in tree top. 25 <sup>1</sup> C + eating		26 <sup>1</sup> 27 <sup>15</sup> 28 <sup>4</sup>
10	Pine Grosbeak 27 <sup>4</sup> in 9 on ice. 8 <sup>ph.</sup>		
11	Goldfinch. 27 <sup>(14)</sup> eating seeds		

CASH ACCOUNT. DECEMBER.

Received.	Paid.
21 <sup>hd.</sup> 22 <sup>hd.</sup> 23 <sup>hd.</sup> 24 <sup>hd.</sup> 27 <sup>6</sup> + 28 <sup>2</sup> an Suet	
(27 <sup>1</sup> 28 <sup>hd.</sup> 30 <sup>2</sup> in 31 <sup>hd.</sup>	



### SUMMARY OF CASH ACCOUNT.

		Received.	Paid.
JAN.			
FEB.			
MAR.			
APRIL			
MAY			
JUNE			
JULY			
AUG.			
SEPT.			
OCT.			
NOV.			
DEC.			

MEMORANDA.



## MEMORANDA.

MEMORANDA.



## MEMORANDA.

MEMORANDA.



## MEMORANDA.

## BILLS PAYABLE.



## BILLS PAYABLE.

## BILLS RECEIVABLE.



## BILLS RECEIVABLE.

## ADDRESSES.

[illegible]



# ADDRESSES.

NAME. *Herbert Gardner*  
 STREET, No. *315 Hagerman Building*  
 CITY. *Colorado Springs*  
 TELEPHONE No.

NAME. *Mrs. Thomas S. Farley*  
 STREET, No. *Greenwood Farm, Richmond Road.*  
 CITY. *South Euclid, Ohio*  
 TELEPHONE No.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

# ADDRESSES.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

NAME.  
 STREET, No.  
 CITY.  
 TELEPHONE No.

NAME.  
 STREET, No.  
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